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**BURIED WASTE LINE REGISTER FOR NRTS  
PART IV CPP**

B. E. PAIGE, EDITOR

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**ALLIED CHEMICAL CORPORATION  
IDAHO CHEMICAL PROGRAMS - OPERATIONS OFFICE  
NATIONAL REACTOR TESTING STATION**

Idaho Falls, Idaho - 83401



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PREPARED FOR THE  
**U.S. ATOMIC ENERGY COMMISSION**  
IDAHO OPERATIONS OFFICE UNDER CONTRACT AT (10-1)-1375 S-72-1

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BURIED WASTE LINE REGISTER FOR NRTS

Part IV. CPP

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## SUMMARY

A Buried Waste Line Register has been prepared as part of the FSOC #49 program to study the corrosion of buried waste lines at NRTS. This report contains Part IV and includes data sheets for all buried waste lines at CPP together with the CPP Waste Line Identification drawing; other similar reports will be prepared for TRA, TAN, and CFA-ARA-SPERT. Buried waste lines are identified by a number and code which designates the diameter, use, and material of construction. Information on the location, kind and quantity of waste carried, and a pipe description is given. The companies who designed and constructed the pipeline and approximate date of construction are given, together with drawing and specification numbers which can be used to obtain additional information. The CPP Waste Line Identification drawing can be used to locate the waste lines and to determine their flow route within CPP.

## I. INTRODUCTION

Liquid wastes at NRTS are generally transferred from one building to another and to waste storage or disposal areas in buried pipelines. Wastes at NRTS are almost entirely aqueous solutions which can be divided into three major categories: (1) waste containing radioactive isotopes, (2) waste containing varying amounts of chemicals, and (3) sanitary wastes. There are also some buried off-gas waste lines.

In 1971, a program, designated FS&OC #49, was initiated to locate and categorize all buried waste lines and to establish a corrosion monitoring program for potentially hazardous underground piping systems. As part of this program, a Register is being prepared for waste lines of all areas at NRTS operated by Aerojet Nuclear Corporation or Allied Chemical Corporation; it will include TRA, CPP, TAN (TSF, IET, EBOR, and LOFT) and CFA, PBF, and ARA I, II, III, and IV. A plot plan of buried waste lines has also been prepared for use in locating the lines.

The information in Part IV was compiled primarily from "CPP Area Utilities Systems" drawings (Dwg. Nos. 1230-B21-series). These 23 drawings show all underground utility lines including buried waste lines. Detailed drawings are not yet complete for some of the waste tank farm area, and information was obtained from yard and piping construction drawings as was most of the materials of construction and encasement information. Lines were also identified from the CPP Waste Collection and Storage Facilities Flow Schematic drawings (Dwg. Nos. 053,191, 053,192, 053,193, and 054,137). Information on materials of construction was also obtained from construction specifications. In most cases, the line identification number includes the diameter, classification of waste, the material of construction, and a pipe line number.

Information on the type and quantity of waste carried was obtained directly from area personnel using the "Survey of NRTS Waste Management Practices"<sup>(1)</sup> as a guide. The typed Register Cards, prepared for use in the FS&OC #49 program, are being presented here in report form for distribution to area personnel.



## II. DESCRIPTION OF DATA SHEETS

Data sheets for all buried waste lines at CPP have been prepared from the Register cards which were prepared for "Corrosion Studies of Buried Waste Lines", FS&OC #49; they have been divided into two major groups, (1) process lines and (2) waste tank farm lines. The process lines include those which handle the different types of waste in the waste networks which service the entire plant; this group has been divided into four sections according to the usual waste material handled by the pipe. The waste tank farm lines include all buried lines in the liquid storage area of CPP except the main lines which transfer waste to and from the storage area and other areas of the plant. The tank farm lines have been divided according to their purpose or function: transfer lines, sump return lines, drain lines, and vent lines. The waste tank farm consists of concrete vaults containing 300,000 gal. stainless steel tanks for interim storage of liquid waste containing fission products from the reprocessing of spent reactor fuel and the pipes, valves, valve boxes, and other equipment associated with the operation of the storage area. Buried lines within this area have been defined as those outside of cells or vaults which are buried either directly in the soil or encased in stainless steel pipe, clay tile, or concrete enclosures. Transfer lines are used to move liquid waste to and from the storage area and between tanks; a large number of lines are provided for maximum flexibility. Liquid waste storage capacity has been increased five times since the original construction of CPP, and provisions have been made for removal of waste to the calcining facilities; therefore, changes in contractors, encasements, and line numbers occur along lines which otherwise appear to be continuous. Because of the extremely high level of radioisotopes in the CPP liquid waste, the waste storage area has been constructed with a number of safety features to assure absolute containment of the waste if a leak occurs in a stainless steel tank or pipe containing the liquid waste. Each vault containing a tank has one or more sumps which will collect waste if any leak in the tank occurs; the sump return lines provide a means of emptying these sumps and returning the liquid to the tank until the waste can be transferred into another spare storage tank. Emergency drain lines are provided for return of waste to the vault sumps

from junction boxes and valve pits into which the encasements of transfer lines can drain. Vent lines provide safety precautions for the waste storage tanks including a pressure relief system which prevents either a negative or positive pressure in the tanks during transfers by jetting. Heat generated by radioactive decay can be removed by cooling coils provided in the tanks; off-gas vent lines and condensers connected to the tanks eliminate the possibility of discharging radioactive vapors to the atmosphere in case the temperature of the liquid waste increases due to inadequate cooling of the decay heat. Drain lines are provided from the condenser back to the emergency sump and drain system. High level waste is transferred from the various storage tanks to the Waste Calcining Facilities (WCF) where the liquid waste is calcined to an oxide and stored in solid storage bins. The solid calcined waste is transferred to the bins by transport air through encased buried lines; the transport air is returned to the calciner off-gas system in the same encasements. The calcine storage bins are inside of vaults. Safety features similar to those in the tank farm have been incorporated in the solid waste area.

During the 20 years since CPP was constructed, there **have** been many additions and changes in the processes performed. Buried pipe lines used for processes not currently operating, such as the Rala lines, have been included, but the waste information indicates that they are not in use at this time. Lines designated "out of service" include only those for which there is no foreseeable use because of rerouting of waste through other lines or complete change in plant operating mode; these could be reactivated for other purposes if so desired. Lines designated "ABANDONED" have been disconnected so that construction and repairs are required to use them again; they are included because they are sometimes encountered during underground construction projects.

Each buried waste line has been identified by a coded number which describes the waste line. The first number, given in inches, is the diameter of the pipe. The first two letters designate the use of the line by indicating the classification of the liquid waste carried. For easy cross reference with other NRTS sites, the waste classification has been written out as high level radioactive, low level radioactive,

service waste, sanitary sewer, or off-gas. A wide variety of code designations (see Glossary) has been used by different construction contractors at CPP; no changes were made in these codes during this study. Most all liquid wastes at CPP containing radioactive isotopes will be classed as high level waste at other NRTS sites; therefore, the level of activity has been based on whether the waste is going directly to the tank farm or calciner bins for interim storage (PW, high level radioactive) or to the process evaporator in CPP 604 (PL-low level radioactive) for concentration before storage. High level waste usually requires heat removal during storage. The third letter is a code for the materials of construction; at CPP, these have been designated simply as stainless steel (A) and non-stainless steel (N), but occasionally, a third letter remains from construction numbering systems which has no consistent meaning. In general, lines are identified by numbers assigned to them on design and construction drawings, but new numbers, starting at 100,000, have been assigned by CPP Design Engineering to unnumbered lines and lines being constructed.

The complete Register includes waste lines for all areas operated by Aerojet Nuclear Corporation or Allied Chemical Corporation; this report contains only lines in the CPP area. Each functional area has been divided into geographic locations to simplify locating the lines; the letter codes and designations (see Glossary) already in use throughout the plant have been followed excepting that only locations having significant area and containing several waste lines have been included. Manholes, pump pits, junction boxes, etc. which afford access to the line are given in the data sheets. The exact location of the line is given by designating the point from which the waste originates and the point to which the waste is flowing. These points may be a building, a tank, or another waste line.

When available, information on the nature and quantity of waste transferred in the buried line is given in tabular form. These data were collected to evaluate the relative hazards of the lines and determine which lines are most likely to experience internal corrosion. The waste source is sometimes given by a vessel, a plant cell, a storage tank, or a building from which it is discharged. Data on volumes

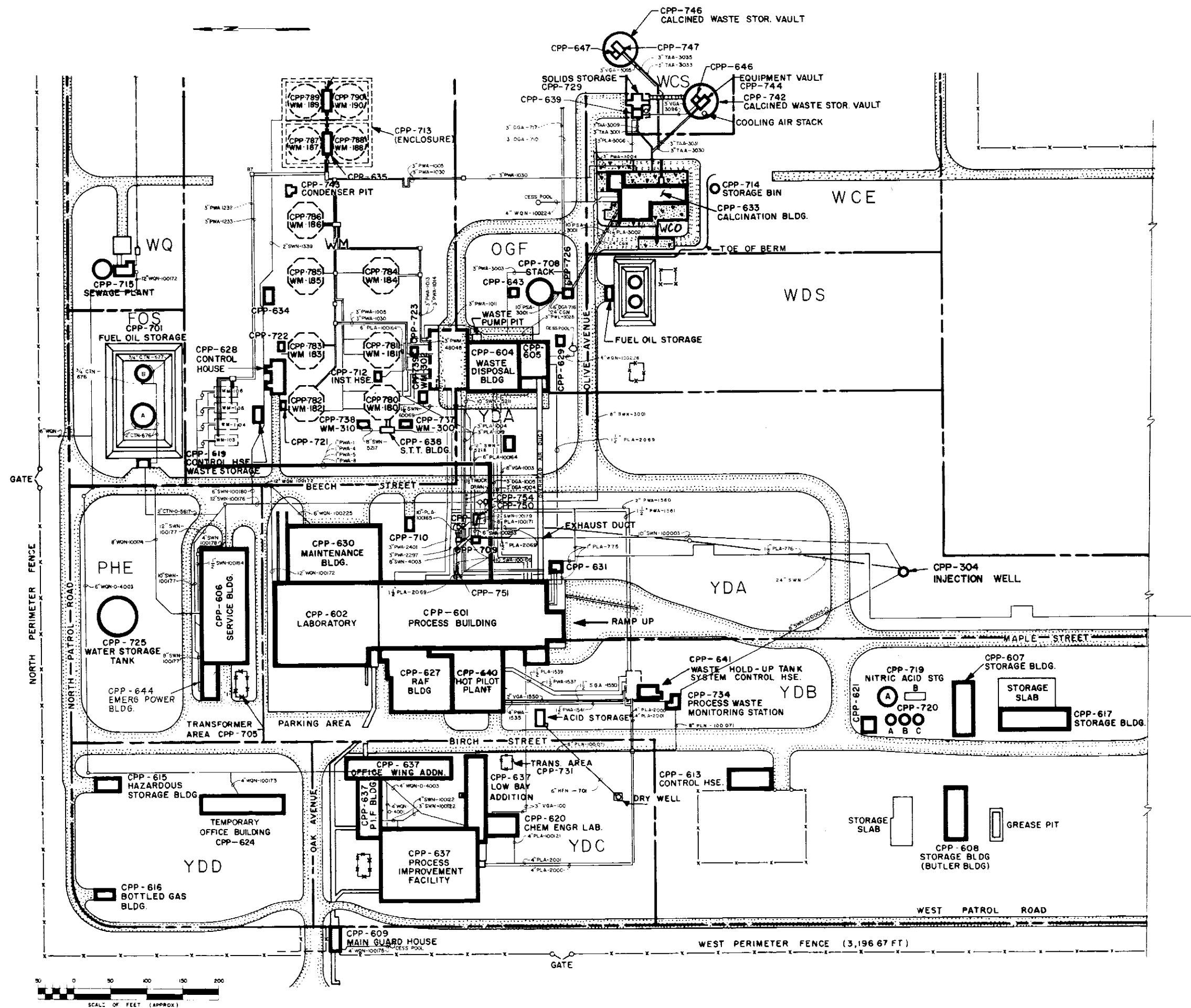
and flows are only approximate because, in most cases, they represent only an estimate of the average waste handled when certain processes are operating; operating times for different processes at CPP vary with the year according to fuel loads and the economics of operation. In the case of the Rala lines, no further processing is expected. Zirconium fuel wastes (STR) are currently mixed with the aluminum fuel wastes, and the lines associated with the original STR-SIR interim storage tanks (WM-103, -104, -105, and -106) are no longer being used. Although liquid waste is now being calcined to an oxide and stored in the solid storage bins, the liquid waste will continue to be collected and stored in the waste tank farm prior to calcination: however, future processing and calcining schedules may change the type of waste handled from that currently reported. Pilot plant wastes are continually changing; descriptions of current and previous wastes are included as guides to the nature of the use of these lines. Lines for new construction projects scheduled for FY 72 have been included, and appropriate remarks have been made on lines being removed from service by the changes; these projects include the waste monitoring and diversion project, the fuel storage basin cleanup project, and relocation of the waste system on the west side of CPP 603. Volumes are given as gallons per month (gal/mo) unless otherwise stated. When frequency is continuous, the line is used over a 24 hour period and daily, but it may have a variable and intermittent flow. The chemical or radioactive contents which could possibly contaminate the environment are listed together with any available estimates of the rate or quantity discharged. Fission products in waste at CPP are the fairly long lived isotopes since spent reactor fuels are stored a minimum of 120 days before they are processed. Raffinate from zirconium fuels (STR) are fluoride solutions containing aluminum nitrate to complex excess fluoride so that the solutions are not corrosive to stainless steel. The raffinates from aluminum fuel are nitrate solutions as are the stainless steel solutions from the electrolytic dissolver. The SIR raffinate is a sulfuric acid solution of stainless steel. Calcine is the oxide product formed by fluid-bed calcination of these various raffinates. Again, these values for waste are estimates and should not be construed as actual quantities discharged.

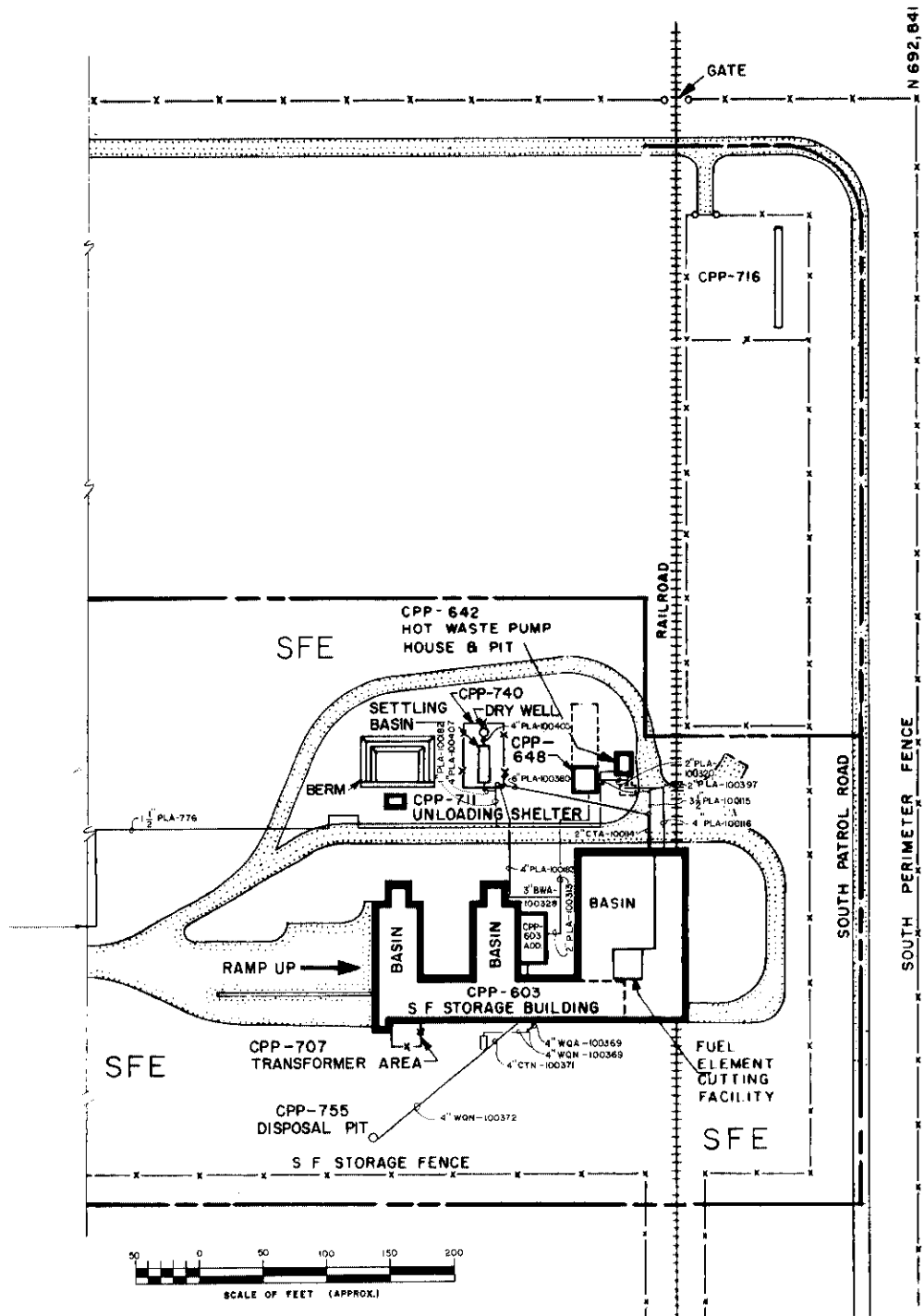
Pressure and temperature are given only if they are not ambient or atmospheric.

Information describing the pipeline was included whenever it was readily available from drawings and specifications used to identify and locate the lines. Abbreviations used occasionally for material of construction are given with the codes for materials in the Glossary. The thickness of the pipe or the schedule, which can be used to determine the thickness, are given on the data sheets. At CPP, the depth of the pipe is referenced to the datum plane of 4917.00 ft above mean sea level; control monuments establish this elevation in the yard areas. The floor level of CPP 602 and 630 are at zero (0'00") while the tank farm grade level is six inches below the datum plane (-0' 6"); generally, the buried depths given in the Register are somewhat greater than the distance the pipes are located below grade for process lines, but are nearly the same for the waste tank farm area. The highly radioactive waste lines at CPP are encased and/or supported; a general description of the different categories of encasements is included in the Glossary. Pipe coatings, where known, are also given under encasements.

The company which designed and the company which originally constructed the waste line are given. The approximate year the construction was completed is presented to assist in estimating the age of the waste line. Information is not available on changes, repairs, or modifications made by operating contractors since the time of construction. The drawing numbers used for the data in the Register are listed and can be examined for additional information about the pipeline.

The CPP Waste Line Identification drawing (No. 402,590), containing liquid waste lines and off-gas lines, is presented in two parts in this report; the main process and waste handling facilities are on the first fold-out page and the fuel storage area at the south end of CPP is on the second fold-out page. This drawing can be used to locate the buried waste lines for which data are given in this report. All other buried utility lines have been omitted from this waste line drawing. Identification codes are shown for each line. This drawing is a flow diagram: construction drawings listed on the data sheets should be consulted for more accurate and detailed location of the pipelines.





### III. GLOSSARY OF TERMS AND ABBREVIATIONS

#### A. Liquid Waste Classification Codes

PU  
PW High level radioactive waste  
TA

---

PL  
DC Low level radioactive waste  
BW

---

SW Service waste - non radioactive waste which may contain  
HF chemicals - (includes hydrofluoric acid lines and condensate  
CT lines).

---

SS Sanitary sewers - wastes which goes to the waste treatment  
WQ plant.

---

VG  
OG  
PS Off-gas - (includes vent gas, vessel off-gas, dissolver off-  
DG gas, jet vents from samplers).  
CG  
SG

---

A Stainless steel (abbreviated SS)  
N Non stainless steel  
Others No consistent meaning

---

#### C. Area and Location Designations

FOS Fuel Oil Storage  
OGF Off Gas Facility  
PHE Boiler House  
SFE Fuel Storage Basin  
WCF Waste Calcining Facility  
WCS Waste Calciner Storage  
WDS Calcine Oil Storage  
WM Liquid Waste Storage  
WQ Sanitary Sewer treatment plant  
YDA Yard area A - between CPP 601 and CPP 604.



YDB Yard area B - Utilities area southwest of CPP 601  
YDC Yard area C - around CPP 637  
YDD Yard area D - northwest corner of CPP yard area.

ARA Advanced Reactor Area  
CPP Chemical Processing Plant  
TAN Test Area North  
TRA Test Reactor Area  
MAH Manhole

---

D. Construction and Design Company Designations

Arrington--Arrington Construction Company, Idaho Falls, Idaho.  
Bechtel--Bechtel Corporation, San Francisco, California  
Blaw Knox--Blaw Knox Construction Company, Pittsburg, Pennsylvania.  
H. K. Ferguson--H. K. Ferguson Company, Los Angeles, California.  
Fluor--Fluor Corporation Ltd., Los Angeles, California.  
Foster Wheeler--Foster Wheeler Corporation, New York, New York  
INC--Idaho Nuclear Corporation, Idaho Falls, Idaho.  
Norman Eng.--Norman Engineers, Los Angeles, California.  
Pritchard--J. F. Pritchard and Company, Engineers-Construction,  
Idaho Falls, Idaho.  
F. C. Torkelson--F. C. Torkelson Company, Salt Lake City, Utah.  
H. S. Wright--H. S. Wright, Seattle, Washington

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E. Waste Description, Abbreviations, and Units

Aband. Abandoned  
Al Aluminum fuel process  
ANN Aluminum Nitrate Nonahydrate  
B & S Bell and Spigot  
CDE Contamination-Decontamination Experiment  
CFD Cold Floor Drain  
chem. Chemicals  
CI Cast Iron  
cond. Condensate  
cpm/ml Count per minute per milliliter  
CS Carbon Steel  
cu. Cubic  
decont. Decontamination  
diss. Dissolver  
Div. box Diversion box  
Dwg. Drawing  
evap. Evaporator  
F.P. Fission Product  
PEW Process Waste Evaporator  
raffinate Waste stream from an extraction column  
Rala Radioactive Lanthanum process  
reg. Regeneration  
scfm Standard cubic feet per minute

SIR Ship Intermediate Reactor fuel process  
soln Solution  
SS Stainless Steel  
STR Submarine Thermal Reactor fuel process  
Thk. Thickness  
Turco Commercial decontamination solution  
VAC Vacuum  
WCF Waste Calcining Facility  
Zr Zirconium fuel process

---

F. Encasements

Tile Pipe	Vitreous clay pipe, 6" and 8" diameter, usually enclosed in concrete. Pipeline is centered in the tile with a support.
SS Pipe	Type 304L stainless steel pipe, 6" diameter. Pipeline is centered in encasement by 3 SS lugs spaced 120° apart.
Concrete Pipeways	Continuous rectangular troughs with removable concrete tops supported on concrete piles to bedrock. Most encasements are lined with stainless steel and drain to sumps. Numbers correspond to those on construction drawings and indicate minor variations in design.
STR Encasement	Similar to concrete pipeways, but specifically designed for lines from the process building (CPP 601) to the small interim storage tanks (WM-103, -104, -105, and -106).
Rala Pipeway	Concrete tunnel extending approximately 20 ft south of CPP 631. The remainder of these lines are buried directly in the soil.



#### IV. DATA SHEETS FOR PROCESS LINES

#### IV. DATA SHEETS

##### Section A

##### Radioactive Waste Lines

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-1 AREA CPP  
CLASSIFICATION High level radioactive LOCATION YDA-WM  
BURIED FROM CPP-601 ACCESS MAH-WM-PW-023  
TO 1" PWA-15

<u>WASTE SOURCE (AT</u>	<u>CPP-601</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
STR-SIR Raffinate			0	0	H <sub>2</sub> SO <sub>4</sub> + SS Complexed HF	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 0.049" THK  
LENGTH Sch 40  
BURIED DEPTH(-) 6'-10"  
ENCASEMENT STR encasement

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-286  
1230-B21-104-305

REMARKS Goes to WM-103. Not used since 1965 except for water tests.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-4 AREA CPP  
CLASSIFICATION High level radioactive LOCATION YDA,WM  
BURIED FROM CPP-601 ACCESS MAH-WM-PW-016  
TO WM-106

<u>WASTE SOURCE (AT</u>	<u>CPP-601</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
STR-SIR Raffinate			0	0	H <sub>2</sub> SO <sub>4</sub> + SS Complexed HF	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 567'  
BURIED DEPTH(-) 6'-10" to (-) 18'-2"  
ENCASEMENT STR encasement

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-286  
1230-B21-104-305

REMARKS Not used since 1965 except water tests

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-5 AREA CPP  
CLASSIFICATION High level radioactive LOCATION YDA-WM  
BURIED FROM CPP-601 ACCESS MAH-WM-PW-022  
TO 1" PWA-17 MAH-WM-PW-024  
MAH-WM-PW-025

<u>WASTE SOURCE (AT</u>	<u>CPP-601</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
STR-SIR Raffinate			0	0	SIR-STR	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Blaw Knox
SCHEDULE 40	CONST. CO. Pritchard
LENGTH 598'	DATE 1953
BURIED DEPTH (-) 17'-1"	DRAWINGS 1230-B21-104-286
ENCASEMENT STR encasement	1230-B21-104-305

REMARKS Goes to WM-105. (Not used since 1965).

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-8 AREA CPP  
CLASSIFICATION High level radioactive LOCATION YDA  
BURIED FROM CPP-601 ACCESS MAH-WM-PW-026  
TO 1" PWA-19

<u>WASTE SOURCE (AT</u>	<u>CPP-601</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
STR-SIR raffinate			0	0	STR-SIR	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Blaw Knox
SCHEDULE 40	CONST. CO. Pritchard
LENGTH 576"	DATE 1953
BURIED DEPTH (-) 17'-1"	DRAWINGS 1230-B21-104-286
ENCASEMENT STR encasement	1230-B21-104-305

REMARKS Goes to WM-106 Not used since 1965.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-773 AREA CPP  
CLASSIFICATION High level radioactive LOCATION OGF  
BURIED FROM 3" DGA-710 ACCESS  
TO 3" PWL-3025 (CPP 708 stack drain)

WASTE SOURCE (AT _____)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
Rala off-gas drain. Not in use 11-71.	0	0	0	

## DESCRIPTION

MATERIAL SS 304  
SCHEDULE 40  
LENGTH 25'  
BURIED DEPTH (-) 9'-0"  
ENCASEMENT None

## CONSTRUCTION

DESIGN CO. P. P. Co.  
CONST. CO. Arrington  
DATE 1958  
DRAWINGS 1230-B21-104-324

## REMARKS

This line does not show up on adjacent drawings. Not in use 5/71. Exact location unknown. Not shown on CPP waste line identification drawing.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-775 AREA CPP  
CLASSIFICATION High level radioactive LOCATION YDA  
BURIED FROM CPP-631 ACCESS  
TO 2" PWA 1560

WASTE SOURCE (AT _____)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
Sump in carbon bed room of Rala Not in use 11-71. Also see 1 1/2" PIA 776 from CPP-603.	0	0		

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 95'  
BURIED DEPTH (-) 7'-0"  
ENCASEMENT Inside Rala pipeway for 30'

## CONSTRUCTION

DESIGN CO. PPCo  
CONST. CO. Arrington  
DATE 1958  
DRAWINGS 1230-B21-104-324

## REMARKS

PIA 776 ties into PIA 775 remaining 150 ft. of this line was abandoned when this connection was made.



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1 1/2" PLA-776 AREA CPP  
CLASSIFICATION low level radioactive LOCATION SFE, YDA  
BURIED FROM CPP-642 ACCESS CPP-631  
TO 1" PWA 775

WASTE SOURCE (AT )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>o</sup>
Basin water	12,400	Monthly	Radioactive F.P.	
Regenerating chem.			Decont. and Regen.	
Decont. pad			chemicals	

DESCRIPTION	CONSTRUCTION
MATERIAL SS 347	DESIGN CO. H. K. Ferguson
SCHEDULE 40	CONST. CO. H. K. Ferguson
LENGTH 2510'	DATE 1957 (WFECEP)
BURIED DEPTH (-) 8'-10	DRAWINGS 1230-B21-104-324
ENCASEMENT	1230-B21-104-343
	1230-B21-103-380
	1230-B21-108-39
	1230-B21-107-38
	1230-B21-108-1

REMARKS Waste volume and content will change after installation of sludge tanks at CPP-603.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PLA 1004 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDA  
BURIED FROM CPP-601 ACCESS Sample ports into  
TO CPP-604 (WL-102) encasement

WASTE SOURCE (AT WH-100 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>o</sup>
Process equip. waste	40,000	15-20/mo.	High level F.P.,	
(steam, cond, decont, cell sumps,			HNO <sub>3</sub> , Turco	
mixer - settler caustic,			oxalic acid,	
centrifuged solids)			caustic scrub,	
			cent. solids	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS Spec. C	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel
LENGTH 453'	DATE 1950
BURIED DEPTH (-) 13'-4"	DRAWINGS 1230-B21-104-305
ENCASEMENT 8" tile pipe 40 ft replaced	1230-B21-104-324
in 1972 by 6" SS enclosed in concrete.	

REMARKS Same waste as 3" PLA 1019 since WH-100 and WG-101 are filled alternately.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA 1005	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	CPP-604 air lift pit (3" PUA 2297 Y)	ACCESS	Div. box A-6
TO	3" PUA 1030 (B-6)		

<u>WASTE SOURCE (AT</u>	<u>G-cell</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>0</sup></u>
Waste transfer-main line from				transfer	1st cycle Al or	
CPP-604 to center of tank farm				only	1st cycle Zr	
					raffinate	

DESCRIPTION	2"-3"	CONSTRUCTION	First 225'	Remainder of
MATERIAL	347 SS	DESIGN CO.	Foster Wheeler	Pipe
SCHEDULE	40	CONST. CO.	Bechtel	Blaw Knox
LENGTH	575'	DATE	1950	Pritchard
BURIED DEPTH	(-) 17'-9"	DRAWINGS	1230-B21-104-306-1	1953
ENCASEMENT	First 91' 8" tile pipe		1230-B21-104-305	
	remainder concrete pipeway (#4,5,6,7,9)			

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PLA 1009	AREA	CPP
CLASSIFICATION	- Low level radioactive	LOCATION	YDA
BURIED FROM	CPP-601	ACCESS	Sample ports into
TO	CPP-604 (WL-102)		encasement

<u>WASTE SOURCE (AT</u>	<u>WG-100-WH 101</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>0</sup></u>
CPP Labs, CFD			12,000 for	2-4/mo.	Low level F.P.	--
			2 vessels		All types of	
					chemicals but	
					greatly diluted.	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS Spec. C	DESIGN CO.	Foster Wheeler
SCHEDULE	40	CONST. CO.	Bechtel
LENGTH	442'	DATE	1950
BURIED DEPTH	(-) 13'-5"	DRAWINGS	1230-B21-104-305
ENCASEMENT	8" tile pipe		1230-B21-104-324

REMARKS Clean waste can be routed to 8" SWN 4003.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1011

AREA CPP

CLASSIFICATION High level radioactive

LOCATION OGF-WM

BURIED FROM 3" PWL-3025  
TO 3" PWN-48048

ACCESS

WASTE SOURCE (AT	CPP-708	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>0</sup>
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See 3" PWL-3025

See 3" PWN-48048

Cont.

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH ~70'  
BURIED DEPTH  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1957  
DRAWINGS 542-41-P750-12

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1013

AREA CPP

CLASSIFICATION High level radioactive

LOCATION WM

BURIED FROM CPP-604  
TO WM-186ACCESS Div. box B-2, B-1  
Div. box A-7

WASTE SOURCE (AT	WL-101	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>0</sup>
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Waste transfer - main line from  
CPP 604 to WM-186-190 area of tank  
farmtransfer 2nd and 3rd cycle  
only raffinate

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 320'  
BURIED DEPTH (-) 10'-6"  
ENCASEMENT Concrete (#1, #2, #3)  
pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1954  
DRAWINGS 1230-B21-104-305  
1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1014 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM CPP-604 ACCESS Div. box A-7  
TO 3" PUA 1030

WASTE SOURCE (AT WL-101 ) VOL(GAL/MO) FREQ. CONTENT (PER MO) PRES & T°

Waste transfer- main line from transfer various raffinates  
CPP-604 to WM-186-190 area of only  
tank farm

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 445'  
BURIED DEPTH (-) 6'-4" - (-) 10'-5"  
ENCASEMENT Concrete pipeway and  
6" ss pipe for few feet near junction  
box.

## CONSTRUCTION

DESIGN CO. Foster Wheeler Blaw Knox  
CONST. CO. Bechtel Pritchard  
DATE 1951 1953  
DRAWINGS 1230-B21-104-305  
1230-B21-104-306-1  
1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PLA 1019 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDA  
BURIED FROM CPP-601 ACCESS Sample ports into  
TO CPP-604 (WL-102) encasement

WASTE SOURCE (AT WG-101 ) VOL(GAL/MO) FREQ. CONTENT (PER MO) PRES & T°

Process equip. waste 40,000 15-20/mo. High level F. P.  
(steam, cond., decon,) HNO<sub>3</sub>, Turco  
mixer settler scrub, cell oxalic acid,  
sumps centrifuged solids) caustic scrub  
cent. solids

## DESCRIPTION

MATERIAL 347 SS Spec. C  
SCHEDULE 40  
LENGTH 460'  
BURIED DEPTH (-) 13'-4"  
ENCASEMENT 8" tile pipe 40 ft. replaced in  
1972 by 6" SS enclosed in concrete.

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-104-305  
1230-B21-104-324

REMARKS To WL-102. Same waste as 3" PLA 1004 since WG-101 and WH 100 are filled  
alternately.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA 1030	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM, OGF, WCE
BURIED FROM	CPP-604	ACCESS	Div. box A-6, B-3,
TO	3" PUA 3004 (to CPP-633)		B-4, B-6

WASTE SOURCE (AT Tank farm )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Main line for waste transfer from CPP-604 to tank farm between storage tanks, and to calciner (CPP-633).		transfer only	various raffinates	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Foster Wheeler Blaw Knox Fluor
SCHEDULE 40	CONST. CO. Bechtel Pritchard Fluor
LENGTH 728'	DATE 1951 1953 1961
BURIED DEPTH (-) 17'-9" - (-) 7'-0"	DRAWINGS 1230-B21-104-306
ENCASEMENT 1st 70' of pipe encased in 8" tile pipe	1230-B21-104-305
	521' of pipe encased in concrete pipeway (type 4,6,7,9)
REMARKS last 137' of pipe encased in SS	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA-1232	AREA	CFP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	WM-103	ACCESS	Div. box B-5
TO	3" PUA-1218 in Div. box B-5		B-8

WASTE SOURCE (AT WM-103 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Not in use 7-71. Tank contains stainless steel raffinate for future processing. Main line to waste calciner and other tanks		0	SS-H <sub>2</sub> SO <sub>4</sub> raffinate	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH 503'	DATE 1961
BURIED DEPTH (-) 12'-8"	DRAWINGS 1230-B21-104-286-4
ENCASEMENT SS pipe on concrete foundations.	1230-B21-104-287-3
	1230-B21-104-306-1
REMARKS First 85 ft from WM-103 has no encasement indicated on dwgs.	

## IDAHO NUCLEAR CORPORATION

CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1233 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-103 ACCESS Div. box B-8, B-7, B-5  
TO 3" PUA-1222 in Div. box B-5

WASTE SOURCE (AT	WM-103)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>o</sup>
Not in use 7-71. Tank contains stainless steel raffinate for future processing. Main line to waste calciner and other tanks.			0	SS-H <sub>2</sub> SO <sub>4</sub> raffinate	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 503'  
BURIED DEPTH (-) 13'-7"

ENCASEMENT SS pipe on concrete foundations.  
First 85 ft from WM-103 has no encase-  
ment indicated on dwgs.

## REMARKS

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1961  
DRAWINGS 1230-B21-104-286-4  
1230-B21-104-287-3  
1230-B21-104-306-1

## IDAHO NUCLEAR CORPORATION

CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1 1/2" PWA-1537 AREA CPP  
CLASSIFICATION High level radioactive LOCATION YDB  
BURIED FROM CPP 640 ACCESS CPP 641  
TO CPP 641

WASTE SOURCE (At	Hot Pilot Plant)	VOL (GAL/MO)	FREQ.	CONTENT (FER MO)	PRES & T <sup>o</sup>
Pilot Plant hot waste (PP-100)				0	
Electrolytic Diss. Pilot Plant					
CDE - Steam and - 5 hot runs			24 hr/run	I <sub>2</sub> -131	
11 I <sub>2</sub> tracer runs			16 run/3 yr.	F.P. Particle	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 212'  
BURIED DEPTH (-) 27'-1" to (-) 8'-8"  
ENCASEMENT 4" tile - (8"~100 ft.) tile pipe  
joined with Amercoat 33

## CONSTRUCTION

DESIGN CO. H. K. Ferguson  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-103-323  
1230-B21-103-342

REMARKS Goes to WL-105 and directly to tank farm (via WL-101) unless specifically jetted to WL-104.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1 1/2" PLA 1539 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDB  
BURIED FROM CPP-640 ACCESS CPP-641  
TO CPP-641

WASTE SOURCE (AT Hot Pilot Plant)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
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Pilot plant warm waste (PP101)		30 d/2 yr.	8 M HNO <sub>3</sub> +	
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Electrolytic Dis. Pilot Plant		24 hr/run	20 g/l S.S.	
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CDE - decont. - 5 hot runs				
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11 I <sub>2</sub> runs		16 run/3 yr.	Alk. KMnO <sub>4</sub>	
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			Oxalic acid	
			detergent	
			small amount F.P.	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 219'  
BURIED DEPTH (-) 27-1' to (-) 8'-8"  
ENCASEMENT 4" tile - (8"~100 ft.) tile pipe  
joined with Amercoat 33

## CONSTRUCTION

DESIGN CO. H. K. Ferguson  
CONST. CO. H. K. Ferguson  
DATE 1959  
DRAWINGS 1230-B21-103-323  
1230-B21-103-342

REMARKS Goes to WL-104

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1 1/2" FWA 1541 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDB  
BURIED FROM CPP-640 ACCESS CPP-641  
TO CPP-641

WASTE SOURCE (AT Hot Pilot Plant)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
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Pilot Plant cold waste				
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CDE cooling H <sub>2</sub> O from cell		16 runs/3 yr	None unless	
--	--	--------------	-------------	--

5 Hot run - 11 I <sub>2</sub> runs		24 hrs/run	vessels rupture	
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## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 194'  
BURIED DEPTH Not found  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-103-342  
1230-B21-103-323

REMARKS Goes to WL-103 in CPP 641 where it can be directed to disposal well or to WL-104. Electrolytic process has closed cycle cooling.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" PWA 1560 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDA, YDB  
BURIED FROM CPP-641 ACCESS Sample ports into  
TO 3" PLA 1019 encasements

<u>WASTE SOURCE (ATCPP 641-WL 104)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Collected lab and pilot plant waste CDE - decon. solutions	5000 gal/ transfer	5-6/yr.	Alk. $\text{KMnO}_4$ Oxalic acid detergent small amount F.P.	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Fluor
SCHEDULE 40 Spec. C	CONST. CO. Fluor
LENGTH 444'	DATE 1959
BURIED DEPTH (-) 13'-7"	DRAWINGS 1230-B21-104-305
ENCASEMENT 4" Vit. tile (8"~100 ft.) tile pipe	1230-B21-104-324
	1230-B21-104-342
REMARKS Collected waste in WL-104 is sent to WL-102 for evaporation.	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1 1/2" PWA 1561 AREA CPP  
CLASSIFICATION High level radioactive LOCATION YDA, YDB  
BURIED FROM CPP 641 ACCESS Sample ports into  
TO 3" PWA 2297 encasements

<u>WASTE SOURCE (ATCPP-641 - WL-105)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
West side hot waste Only use was CDE, runs from 1966-69	5000 gal/ transfer	2/10 yrs.	I <sub>2</sub> -I <sub>3</sub> 1 and F.P.	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH 453'	DATE 1959
BURIED DEPTH (-) 13'-9"	DRAWINGS 1230-B21-104-305
ENCASEMENT 4" Vit. tile (~100 ft. 8" tile) pipe	1230-B21-104-324
	1230-B21-104-342
REMARKS Goes directly to tank farm from WL-105	



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" PLA-2000 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDC  
BURIED FROM CPP-637 ACCESS MAH-YDC-PL-038  
TO CPP-641

<u>WASTE SOURCE (AT</u>	<u>CPP-637</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Laboratory sinks and hot drains			Varies widely	8hr/day	Misc. chem. and low level activity	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Ferguson
SCHEDULE 40	CONST. CO. Ferguson
LENGTH 482'	DATE 1959
BURIED DEPTH (-) 6'-4"	DRAWINGS 1230-B21-103-323
ENCASEMENT	1230-B21-103-342

REMARKS Hot drains and sink drains from CPP 637 to WL-104

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" PLA 2001 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDC  
BURIED FROM CPP-637 ACCESS MAH-YDC-PL-038  
TO CPP-641

<u>WASTE SOURCE (AT</u>	<u>CPP-637</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Laboratory bench and hood			10 <sup>4</sup> -106	Cont.	H <sub>2</sub> O Only	
COLD drains.						

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Ferguson
SCHEDULE 40	CONST. CO. Ferguson
LENGTH 446'	DATE 1959
BURIED DEPTH (-) 6'-2"	DRAWINGS 1230-B21-103-323
ENCASEMENT	1230-B21-103-342

REMARKS Goes directly to the disposal well; however, a valve can be changed to direct it to WL-103 if desired.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1 1/2" PLA-2069 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDA  
BURIED FROM CPP-605 ACCESS  
TO 8" SWA-4003U (by CPP 709)

WASTE SOURCE (AT CPP-604 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Cond. from WL-106-107 (evap)	650,000	15 days/mo.	Water and small	
Steam condensate from WL-115	115,000	every mo.	amount nitric acid water	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS Spec. C	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel
LENGTH 414'	DATE 1950
BURIED DEPTH (-) 10'-6"	DRAWINGS 1230-B21-104-305
ENCASEMENT	1230-B21-104-324

REMARKS Passed through ion exchange beds to remove most of the radioactivity.  
Will be routed through new monitor.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-2297 AREA CPP  
CLASSIFICATION High level radioactive LOCATION YDA  
BURIED FROM CPP-601 ACCESS Sample ports into  
TO Tank farm via CPP-604 airlift pit encasement

WASTE SOURCE (AT G115 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
1st Cycle - G Cell (A1) tanks,	500 l/hr.*	25-50%	6-8 x 10 <sup>6</sup> Ci/yr.	
G-115 - 116.	Co-process	of year	0.5 M Zr	
	630 l/hr.*		3.3 M F	
	Zr process		0.6 M Al	
			1.7 N H <sup>+</sup>	
			2.3 M NO <sub>3</sub>	
			0.03 M NH <sub>4</sub>	
			0.7 g/l Cr + Sn	

DESCRIPTION	CONSTRUCTION
MATERIAL SS 347 Spec. Y	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel
LENGTH 301'	DATE 1950
BURIED DEPTH (-) 14'-0"	DRAWINGS 1230-B21-104-305
ENCASEMENT 8" Tile pipe	

REMARKS \* Average rate during column operation. Actual flowrate during transfer is 2-3 times this rate.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-2401 AREA CPP

CLASSIFICATION High level radioactive LOCATION YDA

BURIED FROM CPP-601 ACCESS Sample ports into  
TO CPP-604 (WL-101) encasement

WASTE SOURCE (AT Y-140 CPP 601 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Y-Cell 2nd and 3rd cycle waste	20,000 gal/yr		6000 Cl/yr 1.5 M Al(NO <sub>3</sub> ) <sub>3</sub> 0.2 M NH <sub>4</sub> OH 0.2 M NH <sub>2</sub> NO <sub>3</sub> 0.02 Fe(NH <sub>2</sub> SO <sub>3</sub> ) <sub>2</sub>	

DESCRIPTION MATERIAL 347 SS Spec. Y  
SCHEDULE 40  
LENGTH 341'  
BURIED DEPTH (-) 14'-9"  
ENCASEMENT 8" Tile pipe

CONSTRUCTION DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-104-305

REMARKS 2nd and 3rd cycle waste

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1 1/2" PLA-3002 AREA CPP

CLASSIFICATION High level radioactive LOCATION WCE, OGF

BURIED FROM CPP-633 ACCESS MAH-OGF-PL-041  
TO 3" PLA 3003

WASTE SOURCE (AT CPP-633 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Decontamination Solutions from WC-119, waste continues on through 3" PUA 3003, 3" PLW-3025, 3" PUA 1011, and 3" PWM 48048 into WL-102	15,000	once per calciner run	HNO <sub>3</sub> , oxalic acid KMnO <sub>4</sub> , NaOH, etc.	30 psig 150°F

DESCRIPTION MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 112'  
BURIED DEPTH (-) 11-10"  
ENCASEMENT 24" CGN

CONSTRUCTION DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-104-325-1

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-3003 AREA CPP  
CLASSIFICATION High level radioactive LOCATION OGF  
BURIED FROM 1 1/2" PLA-3002 ACCESS MAH-OGF-PL-041  
TO 3" PWA-1011

WASTE SOURCE (AT )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Calciner decontamination solutions. See 1 1/2" PLA 3002	approx. same as 1 1/2" PLA-3002		decont. solus.	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 235'  
BURIED DEPTH (-) 11'  
ENCASEMENT None

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-104-324  
5775-CPP-201-6  
5775-CPP-201-2

REMARKS This line does not show up on adjacent drawing.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA 3004 AREA CPP  
CLASSIFICATION high level radioactive LOCATION WCE  
BURIED FROM 3" PWA-1030 ACCESS  
TO CPP-633

WASTE SOURCE (AT )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Tank farm - liquid waste Main waste transfer line to and from WCF	~50,000 g/mo	1200 gal every 18 hours	1st cycle waste	30 psig 40°C

## DESCRIPTION

MATERIAL SS 347  
SCHEDULE 40  
LENGTH 70'  
BURIED DEPTH (-) 19'-7"  
ENCASEMENT SS pipe

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-104-325-1

REMARKS This is a continuation of 3" PWA-1030. It delivers calciner feed.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" TAA-3009 AREA CPP  
CLASSIFICATION Solid high level radioactive LOCATION WCE, WCS  
BURIED FROM CPP-633 ACCESS  
TO CPP-729

WASTE SOURCE (AT Bin # 1 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Calcine and air	~100 scfm	Cont.	F.P. and oxides Continuous when Calciner is Operating	3" Hg VAC 100°C

## DESCRIPTION

MATERIAL SS 347  
SCHEDULE 40  
LENGTH 82'  
BURIED DEPTH (-) 10'-8"  
ENCASEMENT Concrete

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-104-3251

REMARKS Bins filled. No longer used.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA 3025 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION OGF  
BURIED FROM CPP 708 (stack)  
TO 3" PWA 1011 ACCESS

WASTE SOURCE (AT 3" PWA 1011 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Condensate from stack	Unknown	Cont.	HNO <sub>3</sub> and low	
Decont. H <sub>2</sub> O from Amsco burner			<del><math>\beta</math>-<math>\gamma</math></del> activity	
Rala. off-gas drain	0	0	0	
3" PWA 3003-calciner bldg. waste			Decont. Solns.	

## DESCRIPTION

MATERIAL 304 SS  
SCHEDULE 40  
LENGTH 130'  
BURIED DEPTH (-) 11'-3"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS CPP-E-3192

REMARKS Rerouted into 3" PUA 1011 when air lift pit was constructed, Previous  
WL-102 is used for suction to the pumps for evaporator feed,

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" TAA-3030 AREA CPP  
CLASSIFICATION solid high level radioactive LOCATION WCE, WCS  
BURIED FROM 3" TAA 3009 ACCESS  
TO CPP-744

WASTE SOURCE (AT	Bin # 2 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Calcine and air		approx. 100 scfm	Cont.	F.P. and oxides Continuous when calciner is in use.	3" Hg VAC 100°C

DESCRIPTION	CONSTRUCTION
MATERIAL SS 347	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH 90'	DATE 1959
BURIED DEPTH Unknown	DRAWINGS 1230-B21-104-325-
ENCASEMENT Carbon steel and concrete	1230-B21-104-325-1

REMARKS To second set of bins. Still in use 1971. Carries calcine. Will not be used after second set of bins become filled.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" TAA-3033 AREA CPP  
CLASSIFICATION High level radioactive solids LOCATION WCS, WCE  
BURIED FROM 3" TAA-3030 ACCESS  
TO CPP-747

WASTE SOURCE (AT	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Calcine and air		~100 scfm	Cont.	F. P. and oxides continuous when calciner is operating	3" HgVAC 100°C

DESCRIPTION	CONSTRUCTION
MATERIAL SS 304	DESIGN CO. Idaho Nuclear Corporation
SCHEDULE 40	CONST. CO. Arrington
LENGTH 136'	DATE 1971
BURIED DEPTH Elev. (-)10' to (+)28'	DRAWINGS 400-402,590
ENCASEMENT 14" sch. 40 c.s. sleeve and concrete	1230-CPP-304-5

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" PWL-40228 AREA CPP  
CLASSIFICATION low level radioactive LOCATION WM-OCT  
BURIED FROM 12" PWN-1812 ACCESS  
TO 2" PUA-1012 and 3" PUA-1011

WASTE SOURCE (AT CPP-604 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
Pump pit - NE 604. Condensate drain from pressure relief line above ground	0	0	Emergency only	

## DESCRIPTION

MATERIAL 347 SS - Spec. C  
SCHEDULE 40  
LENGTH 6"  
BURIED DEPTH (-) 25'-0"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Foster Wheeler  
DATE 1950  
DRAWINGS 542-41-P750-12

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWM 48048 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" TWC ACCESS  
TO CPP-604

WASTE SOURCE (AT WL-102 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
3" PUA 1011 (see 3" PUA 3025 - stack drain and calciner bldg. waste) Waste transfer line.		Cont.	Stack condensate, decont. solns.	

Formerly cooling water for WM-180

0

0

## DESCRIPTION

MATERIAL 347 SS Spec C  
SCHEDULE 40  
LENGTH 54'  
BURIED DEPTH Not found  
ENCASEMENT None

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS 1230-B21-104-305  
542-41-P750

REMARKS 3" PUA 3025 was routed into this line when the air lift pit was constructed.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 8" PLN-100071 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDB  
BURIED FROM CPP-637 ACCESS MAH-YDC-PL-038  
TO CPP-734 and 4" PLA-2001

<u>WASTE SOURCE (AT Low Bay )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
OSW Salt removal	2x10 <sup>4</sup> gal/yr.	50 d/yr.	Cond. H <sub>2</sub> O	
Aqueous Halide	1350 gal/mo.	5 d/mo.	Cooling H <sub>2</sub> O	
#1 and #3 4" Calciners	1000 gal/yr.	6-12 run/yr.	Cooling H <sub>2</sub> O	
#2 4" Calciner	90,000 gal/mo.	Cont.	Cooling and Cond. H <sub>2</sub> O	

DESCRIPTION	CONSTRUCTION
MATERIAL Fiberglass	DESIGN CO. INC
SCHEDULE	CONST. CO. Arrington
LENGTH 354'	DATE 1965
BURIED DEPTH (-) 10'-1"	DRAWINGS 1230-B21-103-323
ENCASEMENT	1230-B21-103-342

REMARKS Goes directly to disposal well; however, a valve can be changed to direct it to WL-103 if desired.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3½" PLA-100115 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION SFE-E  
BURIED FROM CPP-603-Basin 1 ACCESS MAH-CPP-303  
TO 4" PLA - 10016

<u>WASTE SOURCE (AT CPP-603 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Decontamination pad drain	6,000		radioactive water	

DESCRIPTION	CONSTRUCTION
MATERIAL SS 347	DESIGN CO. H. K. Ferguson
SCHEDULE 40	CONST. CO. H. K. Ferguson
LENGTH 58'	DATE 1956
BURIED DEPTH (-) 5'-6" to (-) 13'-10"	DRAWINGS 1230-B21-108-39
ENCASEMENT	

REMARKS To be replaced in 1973 by new waste handling system at 603



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" PLA-100116 AREA CPP

CLASSIFICATION Low level radioactive LOCATION SFE-E

BURIED FROM CPP-603 ACCESS  
TO Hot waste tanks EN 20 (CPP-642)

WASTE SOURCE (AT CPP-603 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>0</sup>
Hot cell drain	400		radioactive water	
Two drains under trolley tracks				

## DESCRIPTION

MATERIAL SS 347  
SCHEDULE 40  
LENGTH 85'  
BURIED DEPTH (-) 13'-10"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. H. K. Ferguson  
CONST. CO. H. K. Ferguson  
DATE 1956  
DRAWINGS 1230-B21-108-39

## REMARKS

From hot cave. Goes to tank EN 20 then pump pit CPP-642 to PLA-776  
To be replaced in 1973 by new waste handling system at 603.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" PLA-100121 AREA CPP

CLASSIFICATION low level radioactive LOCATION YDC

BURIED FROM CPP-620 ACCESS  
TO 4" PLA 2001

WASTE SOURCE (AT High Bay )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>0</sup>
12" Calciner (1970-75)	10,000 gal/yr.	1-5 runs/hr	Cooling H <sub>2</sub> O	
Pulse column module (1971)	49 gal/run	10 runs 24 hr. each	225 moles ANN, 40 moles NH <sub>4</sub> OH 121 moles NH <sub>4</sub> NO <sub>3</sub> , 8 moles HNO <sub>3</sub> per run.	
Graphite Burner	200 gal/mo.	4-5 runs/yr.	Trace amounts U <sup>235</sup> in H <sub>2</sub> O	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 40'  
BURIED DEPTH (-) 4'-8"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Torkelson  
CONST. CO. H. S. Wright  
DATE 1965  
DRAWINGS 1230-B21-103-323

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 6" PLA-100164 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDA  
BURIED FROM Diversion pump station CPP-750 ACCESS  
TO WM-181

<u>WASTE SOURCE (AT</u>	<u>CPP-750</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Radioactively contaminated service waste from either CPP-601 or CPP-633	- -			very infrequent	H <sub>2</sub> O	

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	304 SS	DESIGN CO.	Norman Engineering Co.
SCHEDULE	10	CONST. CO.	Arrington Construction Co.
LENGTH	277'	DATE	1972
BURIED DEPTH	(-) 10'-9" to (-) 5'-10"	DRAWINGS	1355-CPP-300-P-2
ENCASEMENT			

REMARKS For emergency use only. To be in use in 9/72.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 10" PLA-100165 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDA  
BURIED FROM Diverting station CPP-752 ACCESS  
TO Diversion pump station CPP-750

<u>WASTE SOURCE (AT</u>	<u>CPP-601</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Radioactively contaminated service waste	- -			very infrequent	H <sub>2</sub> O	

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	304 SS	DESIGN CO.	Norman Engineering Co.
SCHEDULE	40	CONST. CO.	Arrington Construction Co.
LENGTH	36'	DATE	1972
BURIED DEPTH	(-) 15'	DRAWINGS	1355-CPP-300-P-2
ENCASEMENT			

REMARKS For emergency use only. To be in use in 9/72.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 8" PLA-100171 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION YDA  
BURIED FROM Diverting station CPP-754  
TO Diversion pump station CPP-750 ACCESS

WASTE SOURCE (AT	CPP-633	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
Process cooling water			- -	very in-	H <sub>2</sub> O	
condenser cooling water				frequent		

DESCRIPTION	CONSTRUCTION
MATERIAL 304 SS	DESIGN CO. Norman Engineering Co.
SCHEDULE 40	CONST. CO. Arrington Construction Co.
LENGTH 40'	DATE 1972
BURIED DEPTH (-) 10' to - 14'	DRAWINGS 1355-CPP-300-P-2
ENCASEMENT	

REMARKS Used for emergency only - would be used when an accidental release of radioactivity to service waste occurs. To be in use 9/72.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PLA-100182 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION SFE-E  
BURIED FROM MAH-CPP-301  
TO PLA-776 ACCESS MAH-CPP-301

WASTE SOURCE (AT	CPP-603	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
Filter backwash			6000		radioactive water	

DESCRIPTION	CONSTRUCTION
MATERIAL SS 347	DESIGN CO. Foster Wheeler
SCHEDULE 0.049 THK	CONST. CO. Bechtel
LENGTH 20'	DATE 1950
BURIED DEPTH (-) 4'-3"	DRAWINGS 1230-B21-108-39
ENCASEMENT	

REMARKS Returns filter backwash via jet to PLA-776. To be replaced in 1973 by new waste handling system at 603.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" PLA-100183 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION SFE-E  
BURIED FROM CPP-603-Basin 2 ACCESS MAH-CPP-301  
TO MAH-CPP-301 (monitoring manhole)

WASTE SOURCE (AT CPP-603 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Filter backwash settling basin	6000		radioactive water	

## DESCRIPTION

MATERIAL SS 347  
SCHEDULE 40  
LENGTH 80'  
BURIED DEPTH (-) 2'2" to (-) 6'-4"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950-  
DRAWINGS 1230-B21-108-39

REMARKS Used to backwash filters. Water collects MAH-CPP-301 and solids settle. Liquid returned to PLA-776 if contaminated. To be replaced in 1973 by new waste handling system at 603.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" PLA-100313 AREA CPP  
CLASSIFICATION High level radioactive LOCATION SFE  
BURIED FROM CPP-603 Basin No. 2 - South side ACCESS  
TO CPP-648

WASTE SOURCE (AT CPP-603 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Sludge plus basin H <sub>2</sub> O	- -	Intermittent	- -	
Regeneration liquids from IX columns	5,000	2/mo	8,000 lb NH <sub>4</sub> (NO <sub>3</sub> ) 1,500 lb Na <sub>2</sub> SO <sub>4</sub> F.P. from basin	

## DESCRIPTION

MATERIAL 304 SS  
SCHEDULE 40  
LENGTH 170'  
BURIED DEPTH (-) 5'-8"  
ENCASEMENT 12" C.S. pipe (coated)

## CONSTRUCTION

DESIGN CO. Norman Engineering Co.  
CONST. CO. - -  
DATE 1972  
DRAWINGS 1355-603/648-P-2

REMARKS To be in use in 11/72. Sludge removed by vacuum cleaning approximately once every five years.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" PLA-100320 AREA CPP  
CLASSIFICATION High level radioactive LOCATION SFE  
BURIED FROM CPP-648  
TO Ves-EN-20- in CPP-642 ACCESS

WASTE SOURCE (AT CPP-648 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
Regeneration Liquid from IX column in CPP-603	5,000	2/mo.	8,000 lb $\text{NH}_4(\text{NO}_3)$ 1,500 lb $\text{Na}_2\text{SO}_4$	
Decont liquid from Ves SF-106 in CPP-648	---	Intermittent	F.P. from basin	-----

DESCRIPTION	CONSTRUCTION
MATERIAL 304 SS	DESIGN CO. Norman Engineering Co.
SCHEDULE 40	CONST. CO. ---
LENGTH 20'	DATE 1972
BURIED DEPTH (-) 4'	DRAWINGS 1355-603/648-P-2
ENCASEMENT 8" C.S. Pipe (coated)	

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" BWA-100328 AREA CPP  
CLASSIFICATION High level radioactive LOCATION SFE  
BURIED FROM CPP-603 basin filter - east end basin #2 ACCESS  
TO Line 2" DCA-100313

WASTE SOURCE (AT CPP-603 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
Filter aid	5,000	4/mo.	12 lb Filter Aid F.P. from basin	

DESCRIPTION	CONSTRUCTION
MATERIAL 304 SS	DESIGN CO. Norman Engineering Co.
SCHEDULE 40	CONST. CO. --
LENGTH 40'	DATE 1972
BURIED DEPTH -0'-2"	DRAWINGS 1355-603/648-P-2
ENCASEMENT 4" C.S. pipe (coated)	

REMARKS To be in use in 11/72.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 6" PLA-100380 (out of service) AREA CPP  
CLASSIFICATION Low level radioactive LOCATION SFE-E  
BURIED FROM MAH-CPP 301 ACCESS MAH-CPP 301  
TO MAH-CPP 303

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Not in use	0	0	0	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 108'  
BURIED DEPTH (-) 13'  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-108-39

REMARKS Not in use 2-10-71

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" PLA-100397 AREA CPP  
CLASSIFICATION High level radioactive LOCATION SFE  
BURIED FROM CPP-648 ACCESS  
TO Line 1 1/2"-PLA-776

<u>WASTE SOURCE (AT CPP-648 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Regeneration liquid from IX column in CPP-603	5,000	2/mo.	8,000 lb NH <sub>4</sub> NO <sub>3</sub> 1,500 lb Na <sub>2</sub> SO <sub>4</sub>	
Decant liquid from Ves-SF-106 in CPP-648	- -	Intermittent	- - F.P. from basin	

## DESCRIPTION

MATERIAL 304 SS  
SCHEDULE 40  
LENGTH 11'  
BURIED DEPTH (-) 4' to (-) 10'-3"  
ENCASEMENT 8 C.S. pipe (coated)

## CONSTRUCTION

DESIGN CO. Norman Engineering Co.  
CONST. CO. - -  
DATE 1972  
DRAWINGS 1355-603/648-P-2

REMARKS To be in use in 11/72

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" PLA-100405

AREA CPP

CLASSIFICATION Low level radioactive

LOCATION SFE-E

BURIED FROM Filter bed  
TO MAH-SFE-SW-048 (open bottom)

ACCESS MAH-SFE-SW-048

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>0</sup></u>
Not in use	0	0	0	

## DESCRIPTION

MATERIAL

SCHEDULE

LENGTH 10'

BURIED DEPTH (-) 11'-2"

ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler

CONST. CO. Bechtel

DATE 1950

DRAWINGS 1230-B21-108-39

REMARKS Overflow lines with a float for control (inactive) 2-71 may change to eliminate this overflow. Line not shown on waste line identification drawing.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" PLA-100407

AREA CPP

CLASSIFICATION Low level radioactive

LOCATION SFE-F

BURIED FROM 4" Drain valve  
TO Filter bed

ACCESS

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>0</sup></u>
Not in use	0	0	0	

## DESCRIPTION

MATERIAL Carbon steel

SCHEDULE

LENGTH

BURIED DEPTH (-) 6'-10"

ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler

CONST. CO. Bechtel

DATE 1950

DRAWINGS 1230-B21-108-39

REMARKS Backwash from filters at basin. Not in use 2-71. Line not shown on waste line identification drawing.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3/4" Drain (out of service) AREA CPP  
CLASSIFICATION low level radioactive LOCATION SFE-E  
BURIED FROM CPP 642 ACCESS  
TO 6" drain (ABAND)

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Not in use	0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL	DESIGN CO.
SCHEDULE	CONST. CO.
LENGTH 24"	DATE
BURIED DEPTH 4'7"	DRAWINGS 1230-B21-108-39
ENCASEMENT	
REMARKS	



#### IV. DATA SHEETS

##### Section B

##### Service Waste Lines

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" CT -676 (Out of service) AREA CPP  
CLASSIFICATION service waste LOCATION FOS  
BURIED FROM CPP 701 -A  
TO 2" CTN - 5617 ACCESS Inside berm - above ground

<u>WASTE SOURCE (AT Oil Tanks )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Condensate from steam used to keep oil tanks warm	0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL C.S.	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel
LENGTH 156'	DATE 1950
BURIED DEPTH	DRAWINGS 1230-B21-104-286
ENCASEMENT Amercoat 33 and Kraft paper	

REMARKS Last few feet of pipe labled 3/4" CT-676. CPP switched to #2 fuel oil in November 1971 from #6 fuel oil which required steam heat.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3/4" CT-677 (Out of service) AREA CPP  
CLASSIFICATION service waste LOCATION FOS  
BURIED FROM CPP-701-B  
TO 2" CT 676 ACCESS

<u>WASTE SOURCE (AT Oil tanks )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Condensate from steam used to keep oil tanks warm	0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL C.S.	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel
LENGTH 34'	DATE 1950
BURIED DEPTH Not found	DRAWINGS 1230-B21-104-206
ENCASEMENT Amercoat 33 and Kraft paper	

REMARKS CPP boilers switched to #2 fuel oil November 1971 from #6 fuel which required steam heat to keep it mobile.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 6" HFN-701 AREA CPP

CLASSIFICATION service waste LOCATION YDB, YDC

BURIED FROM CPP 745 (HF storage) ACCESS  
TO Dry weld south of CPP-637

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
HF overflow and dump. Acid passes through lime bed at storage tank.	<5,000 1/yr.	0-2/yr.	70% HF Neutralized with lime.	---

DESCRIPTION	CONSTRUCTION
MATERIAL Orangeburg fibre pipe type II	DESIGN CO. INC
SCHEDULE	CONST. CO. Atlas
LENGTH 132'	DATE 1967
BURIED DEPTH (-) 10'-0"	DRAWINGS 1230-B21-103-323
ENCASEMENT	1230-B21-103-342

REMARKS HF acid is dumped to a pit filled with lime. Happened frequently at first - but rarely now.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" PWA-1535 AREA CPP

CLASSIFICATION service waste LOCATION YDB

BURIED FROM CPP-640 ACCESS CPP-641  
TO CPP-734

<u>WASTE SOURCE (At)</u>	<u>Hot Pilot Plant</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Pilot plant cold waste					
Cooling H <sub>2</sub> O from outside cell (Induction heater etc.)			16 runs/3 yr 24 hr/run	H <sub>2</sub> O only	
Electrolytic Diss Pilot Plant		10-15 gal/min	30d/2yr	H <sub>2</sub> O only	
Drinking fountain, etc. outside cell			Cont.		
PM area - floor drains					

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH 224'	DATE 1959
BURIED DEPTH not found	DRAWINGS 1230-B21-103-323
ENCASEMENT	1230-B21-103-342

REMARKS Goes directly to disposal well.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 8" SWN 1553 (ABAND)

AREA CPP

CLASSIFICATION service waste

LOCATION YDA, YDB

BURIED FROM CPP 734  
TO CPP 308 (MH)

ACCESS

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Not in use	0	0	0	

## DESCRIPTION

MATERIAL

SCHEDULE

LENGTH 199'

BURIED DEPTH (-) 13'-9'

ENCASEMENT

## CONSTRUCTION

DESIGN CO.

CONST. CO.

DATE

DRAWINGS

1230-B21-104-324

1230-B21-104-342

REMARKS Tied into waste line to injection well also.  
New line from 734 to injection well - 8" - SWN-100005IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 8" SWN-3001

AREA CPP

CLASSIFICATION Service waste

LOCATION YDA, OGE, WCE

BURIED FROM CPP-633  
TO 12" SWN-10017

ACCESS MAH-WCE-SW-044

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Steam from heat and vent	75 gpm	Cont.	Water flow	
Steam from condenser			Continuous when	
Condenser H <sub>2</sub> O			WCF operates	
Cold makeup area drain				

## DESCRIPTION

MATERIAL Transite

SCHEDULE

LENGTH 606'

BURIED DEPTH (-) 9'-0"

ENCASEMENT

## CONSTRUCTION

DESIGN CO. Fluor

CONST. CO. Fluor

DATE 1959

DRAWINGS

1230-B21-104-305

1230-B21-104-324

1230-B21-104-325

REMARKS CPP-633 to MAH-WCE-SW-044 is 3"

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 8" SWA-4003 AREA CPP  
CLASSIFICATION Service waste LOCATION YDA  
BURIED FROM CPP-601 ACCESS 709  
TO CPP-709

WASTE SOURCE (AT CPP-601 ) VOL (GAL/MO) FREQ. CONTENT (PER MO) PRES & T°

PM area floor and cup drains  
Hot labs, condenser H<sub>2</sub>O  
Operating corridor floor drains  
PA-100 pumped discharge

Cont. H<sub>2</sub>O

Est. 50 gpm

## DESCRIPTION

MATERIAL SS 347 Spec. U  
SCHEDULE 10  
LENGTH 62'  
BURIED DEPTH (-) 11'-10"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-104-305

REMARKS Line left in place in 1972 during construction of waste diversion system.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 10" SWN 5211 AREA CPP  
CLASSIFICATION service waste LOCATION YDA  
BURIED FROM CPP-604 ACCESS  
TO 12" SWN-5218

WASTE SOURCE (AT CPP-604 ) VOL (GAL/MO) FREQ. CONTENT (PER MO) PRES & T°

Steam traps  
Cooling H<sub>2</sub>O  
Heating ventilation  
Vacuum jet condensate-WL-108  
WM-100, 101, 102 cooling coils

>170 gpm Cont. Water

## DESCRIPTION

MATERIAL S.S.  
SCHEDULE  
LENGTH 67'  
BURIED DEPTH (-) 12'-2"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-104-305

REMARKS Original pipe, carbon steel was badly corroded as is being replaced with stainless steel in the spring of 1972.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 8" SWN 5217 AREA CPP  
CLASSIFICATION service waste LOCATION YDA, WM  
BURIED FROM WM-310 ACCESS  
TO 12" SWN 5218 U

WASTE SOURCE (AT WM-310 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Condensate cooling H <sub>2</sub> O	21,600	1 mo/yr	water	
Condensate from 628 heaters	43,000	cont.	water	
1/8" water spray line	3,000	6 mo/yr	water	

DESCRIPTION	CONSTRUCTION
MATERIAL Spec. U Carbon steel	DESIGN CO. Foster Wheeler
SCHEDULE	CONST. CO. Bechtel
LENGTH 148'	DATE 1950
BURIED DEPTH (-) 12'-4"	DRAWINGS 1230-B21-104-305
ENCASEMENT	

REMARKS 8" WRN-674 ties in south of WM-300

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 12" SWN 5218 AREA CPP  
CLASSIFICATION Service waste LOCATION YDA  
BURIED FROM 10" SWN-5211 and 8" SWN 5217 ACCESS  
TO CPP 709

WASTE SOURCE (AT W. of 604 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Heating-ventilation steam cond.	170 gpm	Cont.	water	
Condenser cooling H <sub>2</sub> O				

DESCRIPTION	CONSTRUCTION
MATERIAL 92' Transite, 54' concrete Spec. U	DESIGN CO. Foster Wheeler
SCHEDULE	CONST. CO. Bechtel
LENGTH 146'	DATE 1950
BURIED DEPTH (-) 12'-2"	DRAWINGS 1230-B21-104-305
ENCASEMENT	

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" SW-5242 (ABAND) AREA CPP  
CLASSIFICATION service waste LOCATION OGF  
BURIED FROM CPP-605 ACCESS MAH-OGF-SW-039  
TO MAH-OGF-SW-039 (dry well)

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Oil line drain from blowers etc. Not in use December 1971	0	0	0	

DESCRIPTION		CONSTRUCTION	
MATERIAL	Spec. U	DESIGN CO.	Foster Wheeler
SCHEDULE		CONST. CO.	Bechtel
LENGTH	35'	DATE	1950
BURIED DEPTH (-)	10'-6"	DRAWINGS	1230-B21-104-324
ENCASEMENT			
REMARKS			

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" CTN 0-5617-A (Out of service) AREA CPP  
CLASSIFICATION service waste LOCATION FOS PHE  
BURIED FROM CPP 701-B ACCESS  
TO 12" SWN-100177

<u>WASTE SOURCE (AT Oil tanks )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Condensate from steam used to keep oil tanks warm	0	0	0	

DESCRIPTION		CONSTRUCTION	
MATERIAL	C.S.	DESIGN CO.	Foster Wheeler
SCHEDULE	40	CONST. CO.	Bechtel
LENGTH	306'	DATE	1950
BURIED DEPTH (-)	5'-11" to (-) 10'-2"	DRAWINGS	1230-B21-104-286
ENCASEMENT	Amercoat 33 and Kraft paper		

REMARKS CPP boilers switched to #2 fuel oil November 1971 from #6 oil which required steam heat to keep it mobile.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1 1/2" SWN-60069 AREA CPP

CLASSIFICATION service waste LOCATION YDA

BURIED FROM WM-302 Condenser  
TO 10" SWN 5211 ACCESS

<u>WASTE SOURCE (AT</u>	<u>WM 302</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Condenser cooling water			0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL C.S.	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel
LENGTH 54'	DATE 1950
BURIED DEPTH (-) 10'-10"	DRAWINGS 1230-B21-104-305
ENCASEMENT Amercoat 33 and Kraft paper	

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 10" SWN-100003 AREA CPP

CLASSIFICATION service waste LOCATION YDA

BURIED FROM CPP 709  
TO CPP 304 (injection well) ACCESS

<u>WASTE SOURCE (AT</u>	<u>Monitor Sta.</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
See 12" SWN 5218			38,500,000	Cont.	Boiler chemicals	
10" SWA 100166					Demin. Chemicals	
8" SWA 4003					cooling water	
12" SWN 100179					steam condensate	

DESCRIPTION	CONSTRUCTION
MATERIAL ARMC0 truss pipe	DESIGN CO. Foster Wheeler
SCHEDULE	CONST. CO. Bechtel
LENGTH 623'	DATE 1950
BURIED DEPTH (-) 7±3"	DRAWINGS 1230-B21-104-324
ENCASEMENT	1230-B21-104-343

REMARKS Labeled "Truss pipe"



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 8" SWN-100005 AREA CPP  
CLASSIFICATION service waste LOCATION YDB, YDA  
BURIED FROM CPP-734 ACCESS  
TO CPP-304 (injection well)

WASTE SOURCE (At Monitor Sta. )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
Pilot plant - 4" PWA 1535				
Low bay - 8" PLN-100071				
CPP-637 cold drains - 4" PLA-2001				
	900,000	Cont.	Water	

DESCRIPTION	CONSTRUCTION
MATERIAL Truss pipe (PVC)	DESIGN CO. Ferguson
SCHEDULE	CONST. CO. Ferguson
LENGTH 376'	DATE 1959
BURIED DEPTH (-) 12'-0"	DRAWINGS 1230-B21-103-342
ENCASEMENT	1230-B21-104-343
REMARKS	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" CTA-100114 AREA CPP  
CLASSIFICATION Service Waste LOCATION SFE  
BURIED FROM CPP-603 (Basin wing) ACCESS MAH-303  
TO MAH-303 (open bottom)

WASTE SOURCE (AT 603 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
Basin 2 and 3 - not used	0	0		
Basin 1 - Being changed - not used after 4-71				

DESCRIPTION	CONSTRUCTION
MATERIAL SS 347	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel
LENGTH 213', 43', 30' = 286' 3 lines	DATE 1950
BURIED DEPTH (-) 14'-0 from	DRAWINGS 1230-B21-108-39
ENCASEMENT Basin	
REMARKS	

Condensate goes into ground. Not in use. To be replaced in 1973 by new waste handling system at 603.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" SWN-100122 AREA CPP  
CLASSIFICATION service waste LOCATION YDC  
BURIED FROM CPP-637 ACCESS  
TO 4" WQN-0-4003T

WASTE SOURCE (AT Lab Wing )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>o</sup>
Sanitary facilities and showers		Cont.	Routine Cleanser	
Vac Pump		Cont.	Seal water	
Ventilation - Heating blow down			Ca SO <sub>4</sub> added prior to shutdowns	

DESCRIPTION	CONSTRUCTION
MATERIAL C.S.	DESIGN CO. Ferguson
SCHEDULE 40	CONST. CO. Ferguson
LENGTH 53'	DATE 1959
BURIED DEPTH (-) 7'-9"	DRAWINGS 1230-B21-103-323
ENCASEMENT	

REMARKS Also 3"

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 10" SWA-100166 AREA CPP  
CLASSIFICATION service waste LOCATION YDA  
BURIED FROM CPP-601 ACCESS  
TO CPP-709 via diverting station CPP-752

WASTE SOURCE (AT CPP-601 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>o</sup>
Process vessel cooling water		Cont.	H <sub>2</sub> O	
Condenser cooling water				
Basement sump CPP-602				
PA-100				
Water quenching line	Est. 200-300 gpm Max. 700 gpm			

DESCRIPTION	CONSTRUCTION
MATERIAL 304 SS	DESIGN CO. Norman Engineering Co.
SCHEDULE 10 (SS)	CONST. CO. Arrington Construction Co.
LENGTH 70'	DATE 1972
BURIED DEPTH (-) 14'-0"	DRAWINGS 1355-CPP-300-P-2
ENCASEMENT	

REMARKS To be in use in 3/72. Replaced 12" SWN-4001 in 1972.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 12" SWN 100176

AREA CPP

CLASSIFICATION service waste

LOCATION PHE, IE, YDA

BURIED FROM E. CPP 606  
TO 12" SWN 100179ACCESS MAH-PHE-SW-011  
(MAH) CPP 309

<u>WASTE SOURCE (AT CPP-606 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Boiler water treatment reg	47,000	1/2 d	720 lb NaOH, 735 lb	
Water softener reg - 12" SWN	1,000,000	1/4 hr.	100,000 lb NaCl	
Boiler blowdown - 4" SWN 100178	2,000	1/8 hr.	1,600 lb NaOH, 430 lb ea. Na <sub>2</sub> SO <sub>4</sub> & Na <sub>3</sub> PO <sub>4</sub>	

Cooling H<sub>2</sub>O

FOS condensate - 2" CT 5617

## DESCRIPTION

## CONSTRUCTION

MATERIAL Concrete (C.S. last 25')

DESIGN CO. Foster Wheeler

SCHEDULE

CONST. CO. Bechtel

LENGTH 509

DATE 1950

BURIED DEPTH (-) 8'9"

DRAWINGS 1230-B21-104-286

ENCASEMENT

1230-B21-104-305

REMARKS Enters 12" clay pipe to CPP 709

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 12" SWN 100177

AREA CPP

CLASSIFICATION service waste

LOCATION PHE

BURIED FROM CPP 644  
TO 12" SWN 100176

ACCESS MAH-PHE-SW-011

<u>WASTE SOURCE (AT CPP-606 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Water softener regeneration	1 x 10 <sup>6</sup>	6/24 hr.	1 x 10 <sup>5</sup> lb. NaCl	
Emergency diesel cooling H <sub>2</sub> O	---	---	0	

## DESCRIPTION

## CONSTRUCTION

MATERIAL Cast iron (8"-10"-12")

DESIGN CO. Foster Wheeler

SCHEDULE

CONST. CO. Bechtel

LENGTH 286'

DATE 1950

BURIED DEPTH (-) 5'-7" to (-) 6'-10"

DRAWINGS 1230-B21-104-286

ENCASEMENT

1230-B21-103-304

REMARKS Cooling water in emergency diesel and waste regeneration line from CPP 606

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" SWN 100178 AREA CPP  
CLASSIFICATION service waste LOCATION PHE  
BURIED FROM CPP 606 (blow off pit) ACCESS Blowdown vessel  
TO 12" SWN 100176

WASTE SOURCE (AT CPP-606 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>o</sup>
Boiler blowdown	2,000	1/8 hr.	1600 lb. NaOH 430 lb. Na <sub>2</sub> SO <sub>4</sub> 430 lb. Na <sub>3</sub> PO <sub>4</sub>	

DESCRIPTION	CONSTRUCTION
MATERIAL Cast iron	DESIGN CO. Foster Wheeler
SCHEDULE	CONST. CO. Bechtel
LENGTH 132' (after pit)	DATE 1950
BURIED DEPTH	DRAWINGS 1230-B21-104-286
ENCASEMENT	

REMARKS Blowdown of boiler water once/8 hr. shift. Recently replaced from boiler house to main SWN.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 12" SWN-100179 AREA CPP  
CLASSIFICATION service waste LOCATION YDA  
BURIED FROM 12" SWN-100176 and 8" SWN-3001 ACCESS MH CPP-309  
TO CPP-709

WASTE SOURCE (AT CPP-309 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>o</sup>
Boiler water treatment	47,800	1/2 day	720 lb NaOH	
Water softener	1,100,000	1/4 hr.	85,000 lb NaCl	
Boiler blow down	2,000	1/8 hr.	1,200 lb NaOH, 200 lb ea.	
Cooling H <sub>2</sub> O			Na <sub>2</sub> SO <sub>4</sub> and Na <sub>3</sub> PO <sub>4</sub>	
FOS condensate			600 gal H <sub>2</sub> SO <sub>4</sub>	
	100 gpm	Cont.		

DESCRIPTION	CONSTRUCTION
MATERIAL 304 SS	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel - Arrington
LENGTH 52'	DATE 1950
BURIED DEPTH (-) 13'	DRAWINGS 1230-B21-104-305
ENCASEMENT	1355-CPP-300-P-2

REMARKS Formerly clay. Changed to SS in 1972 during construction by Arrington Construction Co.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 6" SWN 100180 AREA CPT  
CLASSIFICATION service waste LOCATION WM, YDA  
BURIED FROM CPP-634 ACCESS MAH-WM-HS-019  
TO 12" SWN 100176

WASTE SOURCE (AT CPP-634 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Floor drains 634	60 gal/yr	1/mo	Water	
Floor drains from 628	180 gal/yr	1/mo		
Floor drain 619	60 gal/yr	1/mo		
Cold pump (WM 189-190- via 2" SW-1339)	2400 gal/yr	1/quarter		

## DESCRIPTION

MATERIAL Extra heavy cast iron pipe  
SCHEDULE and fittings  
LENGTH 317'  
BURIED DEPTH (-) 7'-9"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1957  
DRAWINGS 1230-B21-104-286-4

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1 1/2" SWN 100184 AREA CPT  
CLASSIFICATION service waste LOCATION PHE  
BURIED FROM CPP-606  
TO Blow off pit (CPP 606) ACCESS

WASTE SOURCE (AT CPP-606 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Boiler blowdown	2000	1/8 hr.	1600 lbs. NaOH 430 lbs. Na <sub>2</sub> SO <sub>4</sub> 430 lbs. Na <sub>3</sub> PO <sub>4</sub>	

## DESCRIPTION

MATERIAL Extra heavy pipe  
SCHEDULE  
LENGTH 73'  
BURIED DEPTH (-) 2'-6"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-104-286

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 6" SWN-100223 (ABAND)

AREA CPP

CLASSIFICATION service waste

LOCATION SFE-W

BURIED FROM CPP-603  
TO MAH-SFE-WQ-046ACCESS MAH-SFE-SW-045  
(Monitoring MH)

<u>WASTE SOURCE (AT</u>	<u>CPP-603</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Floor drain and roadway drains to west manhole			0	0	0	

## DESCRIPTION

MATERIAL Carbon steel  
SCHEDULE 40  
LENGTH 98'  
BURIED DEPTH Not found  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-107-57

REMARKS Line removed, April 1972. Waste rerouted in 2" CTN-100371.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 6" SWA-100253

AREA CPP

CLASSIFICATION service waste

LOCATION YDA

BURIED FROM Diversion pump station CPP-750  
TO Monitoring station CPP-709

ACCESS

<u>WASTE SOURCE (AT</u>	<u>CPP-750</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Normal service waste liquid			- -	1-2/yr.	H <sub>2</sub> O	

## DESCRIPTION

MATERIAL 304 SS  
SCHEDULE 40  
LENGTH 14'  
BURIED DEPTH (-) 10'-9" to (-) 13'  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Norman Engineering Co.  
CONST. CO. Arrington Construction Co.  
DATE 1972  
DRAWINGS 1355-CPP-300-P-2

REMARKS Only used when checking operation of monitoring and automatic diversion systems. To be in use in 9/72.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" CTN-100371 AREA CPP  
CLASSIFICATION Service waste LOCATION SFE  
BURIED FROM Flash tank outlet ACCESS  
TO 1000 gal septic tank outlet

<u>WASTE SOURCE (AT</u>	<u>CPP-603</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Floor drains and condensate			1000	Cont.	water	

DESCRIPTION	CONSTRUCTION
MATERIAL Bondstrand 4000	DESIGN CO. Aerojet Nuclear
SCHEDULE	CONST. CO. Ormond Construction Co.
LENGTH 15'	DATE 1972
BURIED DEPTH ~9'	DRAWINGS 1375-CPP-603-P10
ENCASEMENT	

REMARKS Installed in April 1972 to replace 6" SWN-100223.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" SW (ABAND) AREA CPP  
CLASSIFICATION service waste LOCATION YDA  
BURIED FROM N. 695 333.3 ACCESS  
TO CPP-309

<u>WASTE SOURCE (AT</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Not in use		0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL C.S.	DESIGN CO.
SCHEDULE	CONST. CO.
LENGTH 86'	DATE
BURIED DEPTH Unknown	DRAWINGS 1230-B21-104-305
ENCASEMENT	

REMARKS Abandoned

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 6" SWN (ABAND) AREA CPP  
CLASSIFICATION service waste LOCATION SFE-E  
BURIED FROM CPP 603 S wing - E side ACCESS  
TO 4" PLA-100116  
via: M.H. CPP 303

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Not in use	0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL	DESIGN CO.
SCHEDULE	CONST. CO.
LENGTH 43'	DATE
BURIED DEPTH (-) 5'6" - 6'6"	DRAWINGS 1230-B21-108-39
ENCASEMENT	

REMARKS A new 3 1/2" SS was run inside of this to CPP 603.  
This line is closed off and abandoned.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 24" SWN (24" VT SWN) (out of service) AREA CPP  
CLASSIFICATION service waste LOCATION YDA, YDB  
BURIED FROM CPP 709 ACCESS  
TO CPP 304 (injection well)

<u>WASTE SOURCE (AT CPP-709 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Not in use	0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL Vitreous Tile	DESIGN CO. Foster Wheeler
SCHEDULE	CONST. CO. Bechtel
LENGTH 307'	DATE 1950
BURIED DEPTH (-) 20'-2" at well	DRAWINGS 1230-B21-104-305
ENCASEMENT	1230-B21-104-324
	1230-B21-104-343

REMARKS Emergency use only



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" Overflow (ABAND) AREA CPP  
CLASSIFICATION None LOCATION PHE  
BURIED FROM CPP-606 S side ACCESS  
TO Indefinite (CPP 619 area)

WASTE SOURCE (AT )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Not in use. Formerly a gasoline line.	0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL ?	DESIGN CO.
SCHEDULE	CONST. CO.
LENGTH 166	DATE
BURIED DEPTH (-) 6'-0"	DRAWINGS 1230-B21-104-286
ENCASEMENT	
REMARKS	

#### IV DATA SHEETS

##### Section C

##### Sanitary Sewers

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN-0-4001 AREA CPP  
CLASSIFICATION sanitary sewer LOCATION YDC  
BURIED FROM CPP-637 ACCESS  
TO 4" WQN-0-4003 T

WASTE SOURCE (AT	CPP-637 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Toilet facilities and wash bowls			cont.	Routine cleansers	

## DESCRIPTION

MATERIAL C.I. Spec. T  
SCHEDULE  
LENGTH 68'  
BURIED DEPTH (-) 8'-7"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Ferguson  
CONST. CO. Ferguson  
DATE 1959  
DRAWINGS 1230-B21-103-323

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 8" WQN-0-4003 AREA CPP  
CLASSIFICATION sanitary sewer LOCATION PHE, YDD, YDC  
BURIED FROM CPP-637 ACCESS MAH-PHE-WQ-002  
TO 12" WQN 100172 MAH-PHE-WQ-003

WASTE SOURCE (AT	West Side )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Toilet facilities and hand basins - CPP-637 and CPP-624			cont.	Routine cleansers	
Service waste from heating and ventilation				H <sub>2</sub> O	
4" SWN 100122					

## DESCRIPTION

MATERIAL C. I. Spec. T  
SCHEDULE  
LENGTH 952'  
BURIED DEPTH (-) 11'-6"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Ferguson  
CONST. CO. Ferguson  
DATE 1959  
DRAWINGS 1230-B21-104-286  
1230-B21-103-304  
1230-B21-103-323

REMARKS Line goes through MAH-SAC-WQ-001. First 173' of pipe from CPP-637 is 4" dia. and labled 4" WQN-0-4003T

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 12" WQN 100172 AREA CPP  
CLASSIFICATION Sanitary sewer LOCATION PHE, FOS, WQ  
BURIED FROM CPP-602 ACCESS MAH-MBE, WQ-005  
TO CPP-715 (Sewer plant) MAH-MBE, WQ-006

WASTE SOURCE (AT Sewage Plant ) VOL (GAL/MO) FREQ. CONTENT (PER MO) PRES & T<sup>O</sup>

Toilet facilities and  
wash basins - Includes  
waste from

cont. Routine cleansers

6" WQN 100225

8" WQN 4003

8" WQN 100174

## DESCRIPTION

MATERIAL Concrete sewer pipe B & S

SCHEDULE

LENGTH 722'

BURIED DEPTH (-) 15'-0"

ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler

CONST. CO. Bechtel

DATE 1950

DRAWINGS 1230-B21-104-286

REMARKS Main line for plant area.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN-100173 AREA CPP  
CLASSIFICATION sanitary sewer LOCATION YDC  
BURIED FROM CPP-624 ACCESS  
TO 8" WQN-0-4003T

WASTE SOURCE (AT Anal. Trailer ) VOL (GAL/MO) FREQ. CONTENT (PER MO) PRES & T<sup>O</sup>

Toilet facilities  
and wash basins

cont. Routine cleansers

## DESCRIPTION

MATERIAL Asbestos-cement

SCHEDULE

LENGTH 42'

BURIED DEPTH (-) 8'-4"

ENCASEMENT

## CONSTRUCTION

DESIGN CO. INC

CONST. CO. Arrington

DATE 1967

DRAWINGS 1230-B21-103-304

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN 100174 AREA CPP  
CLASSIFICATION Sanitary sewer LOCATION PHE  
BURIED FROM CPP-606 ACCESS MAH-PHE-WQ-004  
TO 12" WQN 100172

<u>WASTE SOURCE (at Boiler House )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Toilet facilities and wash basins		cont.	Routine cleansers	

<u>DESCRIPTION</u>	<u>CONSTRUCTION</u>
MATERIAL	DESIGN CO. Foster Wheeler
SCHEDULE	CONST. CO. Bechtel
LENGTH 224'	DATE 1950
BURIED DEPTH (-) 10'-2"	DRAWINGS 1230-B21-104-286
ENCASEMENT	

REMARKS Goes through abandoned septic tank.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN-100175 AREA CPP  
CLASSIFICATION sanitary sewer LOCATION YDC  
BURIED FROM CPP-609 ACCESS  
TO Septic tank - Cess pool

<u>WASTE SOURCE (at Guard House )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Toilet facilities and wash basin		cont.	Routine cleansers	

<u>DESCRIPTION</u>	<u>CONSTRUCTION</u>
MATERIAL C.I.	DESIGN CO. Foster Wheeler
SCHEDULE	CONST. CO. Bechtel
LENGTH 58'	DATE 1950
BURIED DEPTH (-) 8'-0"	DRAWINGS 1230-B21-103-323
ENCASEMENT	

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN 100224

AREA CPP

CLASSIFICATION sanitary sewer

LOCATION OGF

BURIED FROM CPP-633  
TO Septic tank

ACCESS

<u>WASTE SOURCE (AT</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Toilet facilities and wash basins			cont.	Routine cleansers	

## DESCRIPTION

MATERIAL C.I.

SCHEDULE

LENGTH 96'

BURIED DEPTH (-) 10'-3"

ENCASEMENT

## CONSTRUCTION

DESIGN CO. Fluor

CONST. CO. Fluor

DATE 1959

DRAWINGS 1230-B21-104-325

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 6" WQN 100225

AREA CPP

CLASSIFICATION Sanitary sewer

LOCATION YDA

BURIED FROM CPP-630  
TO 12" WQN-100172

ACCESS MAH-MBE-WQ-005

<u>WASTE SOURCE (AT</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Toilet facilities and wash basins			Continuous	Routine cleansers	

## DESCRIPTION

MATERIAL C.I.

SCHEDULE

LENGTH 78'

BURIED DEPTH (-) 11'-9"

ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler

CONST. CO. Bechtel

DATE 1950

DRAWINGS 1230-B21-104-286

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN 100226 AREA CPP  
CLASSIFICATION sanitary sewer LOCATION OGF  
BURIED FROM CPP-605 ACCESS Septic tank (CPP-306)  
TO Cess pool

<u>WASTE SOURCE (AT CPP-605 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Toilet facilities and wash basins		cont.	Routine cleansers	

## DESCRIPTION

MATERIAL Cast iron  
SCHEDULE  
LENGTH 28'  
BURIED DEPTH Unknown  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-104-324

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN-100227 (ABAND) AREA CPP  
CLASSIFICATION sanitary sewer LOCATION SFE-W  
BURIED FROM CPP-603 - B1 ACCESS  
TO 6" SWN 100223 (after septic tank)

<u>WASTE SOURCE (AT Storage Basin )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Toilet facilities and wash basin	0	0	0	

## DESCRIPTION

MATERIAL C.I.  
SCHEDULE  
LENGTH 35'  
BURIED DEPTH Not found  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-107-57

REMARKS Line removed April 1972 - waste rerouted in - 4"-WQN-100378.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN-100369 AREA CPP  
CLASSIFICATION Sanitary sewer LOCATION SFE  
BURIED FROM 603 ACCESS  
TO 1000 gal septic tank

<u>WASTE SOURCE (AT</u>	<u>CPP-603</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Sanitary facilities			3000	Cont.	Routine cleansers	

DESCRIPTION	CONSTRUCTION
MATERIAL Dualoy-2000	DESIGN CO. Aerojet Nuclear Company
SCHEDULE	CONST. CO.
LENGTH 42'	DATE 1972
BURIED DEPTH 8'-11'	DRAWINGS 1375-CPP-603-P10
ENCASEMENT	

REMARKS Installed April 1972 to replace 4" WQN-100227.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN-100372 AREA CPP  
CLASSIFICATION Sanitary sewer LOCATION SFE  
BURIED FROM 603 septic tank outlet ACCESS  
TO Disposal pit

<u>WASTE SOURCE (AT</u>	<u>CPP-603</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Sanitary facilities			3000	Cont.	Septic tank	
Floor drains and condensate					effluent water	

DESCRIPTION	CONSTRUCTION
MATERIAL Dualoy 2000	DESIGN CO. Aerojet General
SCHEDULE	CONST. CO.
LENGTH ~120'	DATE 1972
BURIED DEPTH 9'-10'	DRAWINGS 1375-CPP-603-P10
ENCASEMENT	

REMARKS Installed 1972 to replace 6" SWN-100223 and 4" WQN-100227.



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN (ABAND) AREA CPP  
CLASSIFICATION sanitary sewer LOCATION YDC  
BURIED FROM Yard area N of Oak Ave. ACCESS  
TO 8" WQN-0-4003T

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Not in use	0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL	DESIGN CO.
SCHEDULE	CONST. CO.
LENGTH	DATE
BURIED DEPTH Unknown, guess (-) 8'	DRAWINGS 1230-B21-103-304
ENCASEMENT	
REMARKS Abandoned	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 6"-WQN (out of service) AREA CPP  
CLASSIFICATION Sanitary sewer LOCATION FOS  
BURIED FROM N 696,000.0 ACCESS  
TO 12"-WQN 100172

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Unknown	0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL Concrete sewer pipe B & S	DESIGN CO. Foster Wheeler
SCHEDULE	CONST. CO. Bechtel
LENGTH 42'	DATE 1950
BURIED DEPTH (-) 14'	DRAWINGS 1230-B21-104-286
ENCASEMENT	

REMARKS No adjacent drawings having this line. It appears that this line comes from old abandoned construction buildings.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" WQN (ABAND) AREA CPP  
CLASSIFICATION Sanitary Sewer LOCATION WQ  
BURIED FROM N 695 666.7 ACCESS  
TO Yard N of Oak Ave. (CPP 637)

WASTE SOURCE (AT )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Not in use	0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL	DESIGN CO.
SCHEDULE 4"	CONST. CO.
LENGTH 38'	DATE
BURIED DEPTH Unknown	DRAWINGS 1230-B21-103-304
ENCASEMENT	

REMARKS Abandoned. Does not show on adjacent drawing.

#### IV. DATA SHEETS

##### Section D

##### Off-Gas Waste Lines

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" VGA-100 AREA CPP  
CLASSIFICATION off-gas LOCATION YDC, YDB  
BURIED FROM CPP-620 ACCESS  
TO CPP-601

WASTE SOURCE (AT High Bay-1971 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
12" Calciner	180,000 scf/run	1-5 run/yr.	5% NO <sub>x</sub> , 10% CO <sub>2</sub> , 5% CO <sub>2</sub> , 20% O <sub>2</sub> , + N <sub>2</sub>	
Graphite burner	10,000 ft <sup>3</sup> /day	3 wks/yr.	30% CO <sub>2</sub> , Bal O <sub>2</sub> + N <sub>2</sub>	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Torkelson
SCHEDULE 40	CONST. CO. H. S. Wright
LENGTH 260'	DATE 1965
BURIED DEPTH (-) 4'-1"	DRAWINGS 1230-B21-103-323
ENCASEMENT	

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" DGA - 710 AREA CPP  
CLASSIFICATION off-gas LOCATION OGF  
BURIED FROM CPP-727 (Rala off-gas storage) ACCESS  
TO CPP-631

WASTE SOURCE (AT )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Not in use 11-71.	0	0	0	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. PPCo
SCHEDULE 40	CONST. CO. Arrington
LENGTH 786'	DATE 1958
BURIED DEPTH (-) 10'-8"	DRAWINGS 1230-B21-104-324
ENCASEMENT Rala pipeway ~65'	1230-B21-104-325
None 721'	
REMARKS Inactive (4-1971)	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 6" DGA-716 AREA CPP  
CLASSIFICATION off-gas LOCATION OGF  
BURIED FROM Rala pipeway ACCESS  
TO CPP-708 (stack)

WASTE SOURCE (AT )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Not in use 11-71.	0	0		

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	P.P. Co
SCHEDULE	40	CONST. CO.	Arrington
LENGTH	32'	DATE	1958
BURIED DEPTH	Unknown	DRAWINGS	1230-B21-104-324
ENCASEMENT	Rala pipeway 321		

REMARKS Not underground from valve pit (CPP-726) to stack.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" DGA-717 AREA CPP  
CLASSIFICATION off-gas LOCATION OGF  
BURIED FROM CPP 727 (Rala off-gas storage) ACCESS  
TO 6" DGA-716

WASTE SOURCE (AT )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Not in use 11-72. Rala off-gas storage overflow.	0	0	0	

DESCRIPTION		CONSTRUCTION	
MATERIAL	SS 347	DESIGN CO.	PPCo
SCHEDULE	40	CONST. CO.	Arrington
LENGTH	535'	DATE	1958
BURIED DEPTH	(-) 10'-8"	DRAWINGS	1230-B21-104-324
ENCASEMENT	None		1230-B21-104-325

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 8" VGA 1003

AREA CPP

CLASSIFICATION Off gas

LOCATION YDA

BURIED FROM CPP-601  
TO CPP-604

ACCESS

<u>WASTE SOURCE (AT CPP-601 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Vessel off gas	Unknown		Small activity	

## DESCRIPTION

MATERIAL 347 SS Spec. C  
SCHEDULE 40  
LENGTH 307'  
BURIED DEPTH (-) 17'-8"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-104-305

REMARKS Goes to jet on blower

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" DGA-1004

AREA CPP

CLASSIFICATION Off gas

LOCATION YDA

BURIED FROM CPP-601  
TO CPP-604

ACCESS

<u>WASTE SOURCE (AT CPP-601 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
C and D Dissolver off-gas G-Cell, etc.	5-15 scfm during dissolver operation	25-50% of year	11% N <sub>2</sub> O 1% N <sub>x</sub> O <sub>x</sub> 30% O <sub>2</sub> 57% Ne <1% Kr, Xe <1% H <sub>2</sub>	--

## DESCRIPTION

MATERIAL 347 SS Spec. C  
SCHEDULE 40  
LENGTH 301'  
BURIED DEPTH (-) 17'-6"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-104-305

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" DGA 1005 AREA CPP  
CLASSIFICATION Off gas LOCATION YDA  
BURIED FROM CPP-601 ACCESS  
TO CPP-604

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Rala off-gas transfer not in use 11-71.	0	0	0	--

## DESCRIPTION

MATERIAL 347 SS Spec. C  
SCHEDULE 40  
LENGTH 246'  
BURIED DEPTH (-) 15'-8"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1 1/2" SGA 1550 AREA CPP  
CLASSIFICATION Off-gas LOCATION YDB  
BURIED FROM CPP-640 ACCESS  
TO CPP-641

<u>WASTE SOURCE (AT Hot pilot plant)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Liquid sampler off-gas line prevents back-up of the liquid waste.	0	0	0	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 214'  
BURIED DEPTH Not found  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-103-323  
1230-B21-103-342

REMARKS Also labled 1 1/2" SOGA 1550. This goes back into 601 sampler off-gas systems.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" VGA 1550 AREA CPP  
CLASSIFICATION off gas LOCATION YDB  
BURIED FROM CPP-640 ACCESS  
TO CPP-641

WASTE SOURCE (AT)	HOT pilot plant)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T °
Pilot plant gases after 1971		0	0	0	
Electrolytic Dis. Pilot Plant		-	30 d/n 1969	Nitric Oxides	
CDE - to RaLa hold tank			1 d/runs	I <sub>2</sub> -131	
5 hot runs + 11 I <sub>2</sub> runs			16 run/3 ye.		

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 192'  
BURIED DEPTH Not found  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-103-323  
1230-B21-103-342

REMARKS Electrolytic dissolver off-gas does not go out this line.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" TAA-3001 AREA CPP  
CLASSIFICATION off-gas LOCATION WCE, WCS  
BURIED FROM CPP-729 ACCESS  
TO CPP-633

WASTE SOURCE (AT)	Bin #1	VOL	FREQ.	CONTENT (PER MO)	PRES & T °
Air return		~100 scfm	Cont.	Calcine fines Continuous when calciner is operating	3" Hg VAC 80°C

## DESCRIPTION

MATERIAL SS 347  
SCHEDULE 40  
LENGTH 82'  
BURIED DEPTH (-) 10'-8"  
ENCASEMENT Concrete

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-104-325-1

REMARKS Carries transport air back from storage bins. Bin filled. Part of line no longer used.



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 10" PSA-3001 AREA CFP  
CLASSIFICATION off-gas LOCATION WCE, OGF  
BURIED FROM CPP-633 ACCESS MAH-OGF-PL-041  
TO CPP-708 stack

WASTE SOURCE (AT )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Calciner off-gas Main calciner off gas line (10"-PUA-3001) comes out of ground at manhole.	1200 scfm		Air with NO <sub>2</sub> Continuous when calciner is operating	~atmos. 200°C

DESCRIPTION	CONSTRUCTION
MATERIAL SS 347	DESIGN CO. Fluor
SCHEDULE 10	CONST. CO. Fluor
LENGTH 139'	DATE 1959
BURIED DEPTH (-) 12'-1"	DRAWINGS 1230-B21-104-325-1
ENCASEMENT	1230-B21-104-324

REMARKS Line designation changes to 10" PSA-3053 on DRW 1230-B21-104-324

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PLA-3006 AREA CPP  
CLASSIFICATION off-gas LOCATION WCE, WCS  
BURIED FROM CPP-729 ACCESS MAH-WCE-SW-044  
TO 24" CGN

WASTE SOURCE (AT )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Vent gas from storage bins	0	0	low level	

DESCRIPTION	CONSTRUCTION
MATERIAL SS 347	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH 233'	DATE 1959
BURIED DEPTH (-) 10'-6"	DRAWINGS 1230-B21-104-325-1
ENCASEMENT	

REMARKS Carries vent gas back to stack if calciner is not operating. Liquid waste line (1 1/2" PUA 3002) is inside of this line.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" TAA-3031 AREA CPP  
CLASSIFICATION off-gas LOCATION WCE, WCS  
BURIED FROM CPP 744 ACCESS  
TO 3" TAA 3001

<u>WASTE SOURCE (AT</u>	<u>Bin #2</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Air return			~100 scfm	Cont.	Calcine fines continuous when calciner is operating	3" Hg VAC 100°C

## DESCRIPTION

MATERIAL SS 347  
SCHEDULE 40  
LENGTH 90'  
BURIED DEPTH Unknown  
ENCASEMENT Carbon steel and concrete

## CONSTRUCTION

DESIGN CO. Norman  
CONST. CO. H. S. Wright  
DATE 1965  
DRAWINGS 1230-B21-104-325  
1230-B21-104-325-1

REMARKS Bins still in use 1971. Carries transport air back from storage bins.  
Will not be used after second set of bins becomes full.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" TAA-3035 AREA CPP  
CLASSIFICATION Off-gas LOCATION WCS, WCE  
BURIED FROM CPP-747  
TO 3" TAA-3031 ACCESS

<u>WASTE SOURCE (AT</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Air return		~100 scfm	Cont.	Calcine fines continuous when calciner is operating	3" Hg VAC 100°C

## DESCRIPTION

MATERIAL SS 304  
SCHEDULE 40  
LENGTH 136'  
BURIED DEPTH Elev. (-)10' to (+)28'  
ENCASEMENT 14" sch. 40 s.s. sleeve and  
concrete

## CONSTRUCTION

DESIGN CO. Idaho Nuclear Corporation  
CONST. CO. Arrington  
DATE 1971  
DRAWINGS 400-402,590  
1230-CPP-304-5

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" VGA-3051 (ABAND) AREA CPP  
CLASSIFICATION off-gas LOCATION WCE  
BURIED FROM CPP-633  
TO 3" PLA-3006 ACCESS

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Not in use	0	0	0	

## DESCRIPTION

MATERIAL SS 347  
SCHEDULE 40  
LENGTH 55'  
BURIED DEPTH (-) 9'-2"  
ENCASEMENT

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-104-325-1

REMARKS Capped off at cell when transport air blowers were abandoned.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" VGA-3085 AREA CPP  
CLASSIFICATION Off-gas LOCATION WCS  
BURIED FROM CPP-747  
TO 3" VGA-3086 ACCESS

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Vent gas from calciner bins transfers whenever pressure differences develop between bins.	Unknown		May contain radioactive particulate	~3" HgVAC 20°C

## DESCRIPTION

MATERIAL SS 304  
SCHEDULE 40  
LENGTH 96'  
BURIED DEPTH Elev. (+)5'-7" to (+)23'-9"  
ENCASEMENT 10" sch. 40 c.s. sleeve and concrete

## CONSTRUCTION

DESIGN CO. Idaho Nuclear Corporation  
CONST. CO. Arrington  
DATE 1971  
DRAWINGS 400-402,590

REMARKS Connects into 3" VGA-3086 which goes to a demister in CPP-639. Acts as a pressure relief between bin #3 and bins #1 and #2.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" VGA-3086 AREA CPP  
CLASSIFICATION off-gas LOCATION WCS  
BURIED FROM CPP-639 ACCESS  
TO CPP-744

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Vent gas from calciner bins transfers whenever pressure differences develop between bins.	Unknown		May contain radioactive particulate	~ 3" Hg VAC 20°C

<u>DESCRIPTION</u>	<u>CONSTRUCTION</u>
MATERIAL SS 347	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH 85'	DATE 1959
BURIED DEPTH	DRAWINGS 1230-B21-104-325
ENCASEMENT Carbon steel sleeve and conc. envelope	
REMARKS Carries vent gas to a demister at CPP 639. Acts as a pressure relief between bins # 1 and # 2.	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 24" CGN AREA CPP  
CLASSIFICATION off-gas LOCATION OGF  
BURIED FROM CPP-633 ACCESS  
TO CPP-708 (stack)

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Ventilation air exhaust	approx. 10,000 scfm		Air Continuous most of the time. Practically never shut off unless blower fails	Atmosphere 20°C

<u>DESCRIPTION</u>	<u>CONSTRUCTION</u>
MATERIAL 340 SS and Clay pipe	DESIGN CO. Fluor
SCHEDULE	CONST. CO. Fluor
LENGTH 148'	DATE 1959
BURIED DEPTH (-) 10'-8"	DRAWINGS 1230-B21-104-324
ENCASEMENT	1230-B21-104-325-1

REMARKS the first 30' is 1/4" Thk. SS-304, it then changes to vitrified clay pipe for 118'.



V. DATA SHEETS FOR WASTE TANK FARM LINES

V. DATA SHEETS

Section A

Transfer Lines

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PUA-7 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 1" PWA-5 ACCESS MAH-WM-PW-024  
TO 1" PWA-18

<u>WASTE SOURCE (AT</u>	<u>E-110</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer - no longer used (7-71)				0	STR-SIR Raffinate	

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	10'	DATE	1953
BURIED DEPTH	(-) 17'-4"	DRAWINGS	1230-B21-104-2064
ENCASEMENT	STR Concrete pipeway		
REMARKS	SIR, STR waste		

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-15 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 1" PUA-1 ACCESS MAH-WM-PW-023  
TO WM-103

<u>WASTE SOURCE (AT</u>	<u>E-110</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer - no longer used (7-71)				0	SIR-STR Raffinate	

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	28'	DATE	1953
BURIED DEPTH	(-) 18'-2"	DRAWINGS	1230-B21-104-286-4
ENCASEMENT	STR concrete pipeway		
REMARKS			



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-17 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 1" PWA-5 ACCESS MAH-WM-PW-025  
TO WM-105

<u>WASTE SOURCE (AT</u>	<u>E-110</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>0</sup></u>
Waste transfer - no longer used (7-71)				0	STR-SIR Raffinate	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	28'	DATE	1953
BURIED DEPTH	(-) 10'-2"	DRAWINGS	1230-B21-104-286-4
ENCASEMENT	STR Concrete pipeway		

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-18 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 1" PUA-7 ACCESS MAH-WM-PW-024  
TO WM-104

<u>WASTE SOURCE (AT</u>	<u>E-110</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>0</sup></u>
Waste transfer - no longer used (7-71)				0	SIR-STR Raffinate	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	28'	DATE	1953
BURIED DEPTH	(-) 18'-2"	DRAWINGS	1230-B21-104-286-4
ENCASEMENT	STR Concrete pipeway		

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-19 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 1" PWA-8 ACCESS MAH-WM-PW-026  
TO WM-106

<u>WASTE SOURCE (AT</u>	<u>E-110</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Waste transfer - no longer used (7-71)				0	STR-STR Raffinate	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 29'  
BURIED DEPTH (-) 18'  
ENCASEMENT STR Concrete pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-286-4

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-201 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1014 ACCESS Div. Box A-2  
TO WM-181

<u>WASTE SOURCE (AT</u>	<u>WL-101</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Waste transfer - After 1-72, emergency use only for service waste.				0	2nd and 3rd cycle raffinate emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH ~60'  
BURIED DEPTH (-) 10'-5'  
ENCASEMENT Tile pipe

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS 1230-B21-104-305 not shown  
5774-CPP-301-31

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-203 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1013 ACCESS Div. Box A-2  
TO WM-181

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer - After 1-72, emergency use only for service waste.		0	2nd and 3rd cycle raffinate emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH ~60'  
BURIED DEPTH (-) 10'-5'  
ENCASEMENT Tile pipe

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS 1230-B21-104-305 not shown  
5774-CPP-301-31

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-204 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1013 (B-2) ACCESS B-4 Diversion box  
TO 3" PUA-1223 (B-5)

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer		transfer only	Various raffinates	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 72'  
BURIED DEPTH (-) 14'-2"  
ENCASEMENT Concrete (#6)  
pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knex  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-208 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1030 ACCESS Div. Box B-3  
TO WM-185

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer - no longer used (7-71)		0	1st cycle Zr raffinate	

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	18'	DATE	1953-1954
BURIED DEPTH	(-) 12'	DRAWINGS	1230-B21-104-305
ENCASEMENT	Concrete (#5) pipeway		

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-601 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1005 ACCESS Div. Box A-6  
TO WM-182

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer		AL dis- solution transfer only	1st cycle Al raffinate	

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	347 SS	DESIGN CO.	Blawknor
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	105'	DATE	1954
BURIED DEPTH	(-) 12'-2"	DRAWINGS	1230-B21-104-305
ENCASEMENT	Concrete pipeway		

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-602 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1030 ACCESS Div. Box A-6  
TO WM-182

<u>WASTE SOURCE (AT</u>	<u>G-Cell</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer				Al dis- solutions transfer only	1st cycle Al raffinate	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 105'  
BURIED DEPTH (-) 12'  
ENCASEMENT Concrete pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-609 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM PUA-601 ACCESS Div. Box A-5  
TO WM-103

<u>WASTE SOURCE (AT</u>	<u>G-Cell</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer				Al dis- solution transfer only	1st cycle Al raffinate	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 17'  
BURIED DEPTH (-) 12'  
ENCASEMENT Concrete pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-610 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PWA-602 ACCESS Div. Box A-5  
TO WM-183

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
waste transfer		Al dis- solution transfer only	1st cycle Al	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 17'  
BURIED DEPTH (-) 12'  
ENCASEMENT Concrete pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-620 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-182 ACCESS  
TO WM-183

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer		Transfer only	Various raffinates	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 16'  
BURIED DEPTH (-) 20'-9"  
ENCASEMENT Concrete pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-621 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-182 ACCESS  
TO WM-183

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer		Transfer only	various raffinates	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 16'  
BURIED DEPTH (-) 20'-9"  
ENCASEMENT Concrete pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-630 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PWA-1013 ACCESS Div. Box A-7  
TO WM-184

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer		Transfer only	2nd and 3rd cycle raffinate	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 31'  
BURIED DEPTH (-) 10'-6"  
ENCASEMENT Concrete pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA-631	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	3" PUA-1014	ACCESS	Div. Box A-7
TO	WM-184		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer		Transfer only	2nd and 3rd cycle raffinate	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	31'	DATE	1953
BURIED DEPTH	(-) 10'-6"	DRAWINGS	1230-B21-104-305
ENCASEMENT	Concrete pipeway		

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA-635	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	Ground (dead end east of WM-184) riser?	ACCESS	
TO	WM-184		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer. Not in use 11-17-71.		0	2nd and 3rd cycle raffinate	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	45'	DATE	1953
BURIED DEPTH	(-) 19'-9"	DRAWINGS	1230-B21-104-306-1
ENCASEMENT	Concrete pipeway		

REMARKS Does not appear on CPP E-3193



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1016 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Dead end box B-2 ACCESS Div. Box B-2  
TO WM-186

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Not used. Dead-end.		0	0	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 31'  
BURIED DEPTH (-) ~14'  
ENCASEMENT Concrete (#3)  
pipeway

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1961  
DRAWINGS 1230-B21-104-306-1

REMARKS For future connection. Not in use 7-71

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWM 1024 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA 1030 ACCESS Div. box A3A  
TO WM-180

<u>WASTE SOURCE (AT G-cell )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
After 1971 waste transfer WM-180 will be used as a spare tank		transfer only	Al and Zr 1st cycle raffinate	

## DESCRIPTION

MATERIAL 347 SS Spec Y  
SCHEDULE 40  
LENGTH 99'  
BURIED DEPTH (-) 10'-5"  
ENCASEMENT 8" tile pipe

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS 1230-B21-104-305 not shown  
5774-CPP-301-31

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1028 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Div. box B-3 (dead end) ACCESS Div. box B-3  
TO WM-185

<u>WASTE SOURCE (AT</u>	<u>G-Cell</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer.	Not in use			0	1st cycle Zr	
11-17-71.					raffinate	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 18'  
BURIED DEPTH (-) 12'  
ENCASEMENT Concrete (#5)  
pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1029 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1005 ACCESS Div. box B-3  
TO WM-185

<u>WASTE SOURCE (AT</u>	<u>G-Cell</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer				transfer only	1st cycle Zr raffinate	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 18'  
BURIED DEPTH (-) 12'  
ENCASEMENT Concrete (#5)  
pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1032 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-180 ACCESS  
TO 3" PWA-1033

WASTE SOURCE (AT	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
WM-180 )				
Waste transfer		transfer	1st cycle Al	
After 1971, WM 180 will be held		only	and Zr raffinate	
as a spare tank				

DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 19'  
BURIED DEPTH (-) 5'-4"  
ENCASEMENT SS pipe

CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1958  
DRAWINGS 1230-B21-104-305

REMARKS 2" and 3"

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1033 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1032 ACCESS Div. box A6  
TO 3" PUA-1030 and 3" PUA-602

WASTE SOURCE (AT	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & TO
Waste transfer		transfer	Various	
		only	raffinates	

DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 93'  
BURIED DEPTH (-) 5'-4"  
ENCASEMENT SS pipe

CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1034 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1033 ACCESS  
TO 4" PWM 28004Y (WM-180)

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer		transfer	1st cycle Al	
After 1971 WM-180 will be held		only	and Zr raffinate	
as a spare tank				

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	40	CONST. CO.	Fluor
LENGTH	20'	DATE	1958
BURIED DEPTH	(-) 6'	DRAWINGS	1230-B21-104-305 now shown
ENCASEMENT	SS pipe		

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1035 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-183 ACCESS  
TO 3" PUA-1033

<u>WASTE SOURCE (AT WM-183 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer		transfer	1st cycle Al	
		only	raffinate	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	28'	DATE	1953
BURIED DEPTH	(-) 6'-4"	DRAWINGS	1230-B21-104-305
ENCASEMENT	SS pipe		not labeled

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1036 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1014 (Div. box B-2) ACCESS Div. box B-2  
TO 3" PUA-1022 (Div. box B-5) B-5

<u>WASTE SOURCE (AT WL-101 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Waste transfer		transfer only	various raffinate	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 78'  
BURIED DEPTH (-) 6'-11"  
ENCASEMENT Concrete (#6)  
and ss pipe

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1037 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1014 ACCESS Div. box B-3  
TO WM-184

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Waste transfer		transfer only	2nd and 3rd cycle raffinate and PEW evaporator concentrate.	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 30'  
BURIED DEPTH (-) 12  
ENCASEMENT SS pipe

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1038 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-185 ACCESS Div. box B-3  
TO 3" PUA-1030

WASTE SOURCE (AT WM-185 ) VOL (GAL/MO) FREQ. CONTENT (PER MO) PRES & T<sup>0</sup>

Waste transfer transfer 1st cycle Zr  
only raffinate

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 18'  
BURIED DEPTH (-) 12  
ENCASEMENT Concrete (#5)  
pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1039 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-186 ACCESS B-2  
TO 3" PUA-1014

WASTE SOURCE (AT WM-186 ) VOL (GAL/MO) FREQ. CONTENT (PER MO) PRES & T<sup>0</sup>

Waste transfer transfer 2nd and 3rd cycle  
only raffinate and PEW  
evaporator concen-  
trate.

## DESCRIPTION

2"-3"  
MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 25'  
BURIED DEPTH ~ (-) 14'  
ENCASEMENT Concrete (#3)  
pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PUA-1040	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	3" PUA-1014	ACCESS	Div. box B-2
TO	WM-186		

<u>WASTE SOURCE (AT</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Waste transfer			transfer only	2nd and 3rd cycle raffinate and FEW evaporator concentrate	

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	18'	DATE	1953
BURIED DEPTH	~(-) 14'	DRAWINGS	1230-B21-104-306-1
ENCASEMENT	Concrete (#3) pipeway		
REMARKS	Also labeled 3" PWA - 1040 on some drawings.		

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	2" PWA-1095	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	WM-186	ACCESS	Div. box B-2
TO	3" PUA-1039 (B-2)		

<u>WASTE SOURCE (AT</u>	<u>WM-186</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Waste transfer.	Used to jet waste from tanks. Continues to box outside of vault.			transfer only	2nd and 3rd cycle raffinate	

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	25'	DATE	1953
BURIED DEPTH	~(-) 14'	DRAWINGS	1230-B21-104-306-1
ENCASEMENT	Concrete (#3) pipeway		
REMARKS			

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1201 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-188 ACCESS  
TO 3" PUA-1220

<u>WASTE SOURCE (AT</u>	<u>WM-188</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Waste transfer				transfer only	1st cycle Zr raffinate	

DESCRIPTION	2"-3"	CONSTRUCTION
MATERIAL	347 SS	DESIGN CO. Fluor
SCHEDULE	40	CONST. CO. Fluor
LENGTH	25'	DATE 1961
BURIED DEPTH	(-) 5'-1"	DRAWINGS 1230-B21-104-306-1
ENCASEMENT	ss pipe	

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1202 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-187 ACCESS  
TO 3" PUA-1220

<u>WASTE SOURCE (AT</u>	<u>WM-187</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Waste transfer				transfer only	1st cycle Zr raffinate	

DESCRIPTION		CONSTRUCTION
MATERIAL	347 SS	DESIGN CO. Fluor
SCHEDULE	40	CONST. CO. Fluor
LENGTH	28'	DATE 1961
BURIED DEPTH	(-) 15'-1"	DRAWINGS 1230-B21-104-306-1
ENCASEMENT	ss pipe	

REMARKS



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1218 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1030 ACCESS Div. box B-4  
TO 3" PUA-1220 Div. box B-5

<u>WASTE SOURCE (AT</u>	<u>Tank farm</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer				transfer only	various raffinates	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 17'  
BURIED DEPTH (-) 19'-7"  
ENCASEMENT Concrete (#8)  
pipeway

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1961  
DRAWINGS 1230-B21-104-325  
1230-B21-104-306

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA-1219 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PUA-1005 ACCESS B-4, B-5  
TO 3" PUA-1221

<u>WASTE SOURCE (AT</u>	<u>Tank farm</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer				transfer only	Various raffinates	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH ~10'  
BURIED DEPTH (-) 15'-8"  
ENCASEMENT Concrete pipeway

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1961  
DRAWINGS 1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA-1220	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	Junction box #8	ACCESS	B-10, J-7, B-9
TO	3" PUA-1218		B-5

<u>WASTE SOURCE (AT</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer			transfer only	various raffinates	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	40	CONST. CO.	Fluor
LENGTH	134'	DATE	1961
BURIED DEPTH	(-) 6'-5"	DRAWINGS	1230-B21-104-306-1
ENCASEMENT	Concrete pipeway		

REMARKS Junction box #8 is east CPP-636. Flow may go either way in the pipe.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA-1221	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	3" PUA-1219 (B-5)	ACCESS	B-10, J-7, B-9
TO	Junction box (B-8)		

<u>WASTE SOURCE (AT</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer			transfer only	various raffinates	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	40	CONST. CO.	Fluor
LENGTH	134'	DATE	1961
BURIED DEPTH	(-) 6'-5"	DRAWINGS	1230-B21-104-306-1
ENCASEMENT	Concrete pipeway		

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA-1222	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	3" PUA-1036 and 3" PUA-1033	ACCESS	B-10, J-7, B-9
TO	Junction box #8		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer		transfer only	various raffinates	

## DESCRIPTION

MATERIAL	347 SS
SCHEDULE	40
LENGTH	134'
BURIED DEPTH	(-) 6'-5"
ENCASEMENT	Concrete pipeway

## CONSTRUCTION

DESIGN CO.	Fluor
CONST. CO.	Fluor
DATE	1961
DRAWINGS	1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA-1223	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	3" PUA-204	ACCESS	B-10, U-7, B-9
TO	Junction box B-8		B-5

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer		transfer only	various raffinates	

## DESCRIPTION

MATERIAL	347 SS
SCHEDULE	40
LENGTH	134'
BURIED DEPTH	(-) 16'-5"
ENCASEMENT	Concrete pipeway

## CONSTRUCTION

DESIGN CO.	Fluor
CONST. CO.	Fluor
DATE	1961
DRAWINGS	1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1226 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-104 ACCESS Div. Box B-8  
TO 3" PWA-1232 (B-8)

WASTE SOURCE (AT	WM-104	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Not in use 7-71.	Tank empty		0	0	STR raffinate	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 94'  
BURIED DEPTH (-) 13'-7"  
ENCASEMENT SS pipe on concrete foundation for  
30 ft from box. None indicated on  
dwgs the other ~64 ft.  
REMARKS

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-285-4

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1227 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-104 ACCESS Div. box B-8  
TO 3" PWA-1233

WASTE SOURCE (AT	WM-104	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Not in use 7-71.	Tank empty		0	0	STR raffinate	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 89'  
BURIED DEPTH (-) 13'-7"  
ENCASEMENT SS pipe on concrete foundation for  
30 ft from box. None indicated on  
dwgs, the other ~60 ft.  
REMARKS

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-286-4

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA-1228	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	WM-105	ACCESS	Div. box B-8
TO	3" PWA-233		

<u>WASTE SOURCE (AT</u>	<u>WM-105</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Not in use 7-71.	Tank empty		0	0	STR raffinate	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Blaw Knox
SCHEDULE 40	CONST. CO. Pritchard
LENGTH 44'	DATE 1953
BURIED DEPTH (-) 13'-7"	DRAWINGS 1230-B21-104-286-4
ENCASEMENT None indicated on dwgs except SS pipe for 3 ft from box.	
REMARKS	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWA-1229	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	WM-105	ACCESS	Div. box B-8
TO	3" PWA-1232		

<u>WASTE SOURCE (AT</u>	<u>WM-105</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Not in use 7-71.	Tank empty		0	0	STR raffinate	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Blaw Knox
SCHEDULE 40	CONST. CO. Pritchard
LENGTH 43'	DATE 1953
BURIED DEPTH (-) 13'-7"	DRAWINGS 1230-B21-104-286-4
ENCASEMENT None indicated on dwgs except SS pipe for 3 ft from box.	
REMARKS	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1230 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-106 ACCESS Div. box B-8  
TO 3" PWA 1232

WASTE SOURCE (AT WM-106 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
waste transfer - this line not in use 7-71. Tank contains stainless steel raffinate for future processing	0	0	SS-H <sub>2</sub> SO <sub>4</sub> raffinate	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Blaw Knox
SCHEDULE 40	CONST. CO. Pritchard
LENGTH 21'	DATE 1953
BURIED DEPTH (-) 13'-7"	DRAWINGS 1230-B21-104-286-4
ENCASEMENT	

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA 1231 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-106 ACCESS Div. box B-8  
TO 3" PWA-1233

WASTE SOURCE (AT WM-106 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Waste transfer - this line not in use 7-71. Tank contains stainless steel raffinate for future processing	0	0	SS-H <sub>2</sub> SO <sub>4</sub> raffinate	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Blaw Knox
SCHEDULE 40	CONST. CO. Pritchard
LENGTH 20'	DATE 1953
BURIED DEPTH (-) 13'-7"	DRAWINGS 1230-B21-104-286-4
ENCASEMENT	
None indicated on dwgs except SS pipe for 3 ft. from box.	

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1301 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-189 ACCESS  
TO 3" PUA-1220

<u>WASTE SOURCE (AT</u>	<u>WM-189</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer				transfer only	1st cycle Zr raffinate	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	40	CONST. CO.	Fluor
LENGTH	26'	DATE	1961
BURIED DEPTH	(-) 4'-10"	DRAWINGS	1230-B21-104-306-1
ENCASEMENT	SS pipe		

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWA-1302 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-190 ACCESS  
TO 3" PUA-1301

<u>WASTE SOURCE (AT</u>	<u>WM-190</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer				0	emergency only	
WM-190 has never been used (7-71)						

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	40	CONST. CO.	Fluor
LENGTH	36' includes some 2"	DATE	1961
BURIED DEPTH	(-) 4'-10"	DRAWINGS	1230-B21-104-306-1
ENCASEMENT	SS pipe		

REMARKS Tank WM-190 will be held for emergency transfer of waste from any  
leaky tank.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PUA 1314 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-190 ACCESS  
TO 3" PUA 1302

WASTE SOURCE (AT	WM-190	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>0</sup>
Waste transfer				0	emergency only	
Tank has never been used						
(7-71).						

DESCRIPTION	CONSTRUCTION
MATERIAL 304 SS	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH not found	DATE 1961
BURIED DEPTH (-) 4'-10"	DRAWINGS CPP-E- 4137
ENCASEMENT ss pipe	

REMARKS Tank WM-190 will be held for emergency transfer of waste from any leaky tank.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWM-2011 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 3" PWA-2016 ACCESS Div. box A-3-B  
TO WM-180

WASTE SOURCE (AT	WM-101	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>0</sup>
Waste transfer. After 1971,				transfer	1st cycle A1	
WM-180 will be held for a				only	raffinate	
spare tank.						

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS Spec Y	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel
LENGTH 52'	DATE 1951
BURIED DEPTH (-) 6'-3"	DRAWINGS 1230-B21-104-305
ENCASEMENT Tile pipe	not shown

REMARKS



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWM-2016	AREA	CPP		
CLASSIFICATION	High level radioactive	LOCATION	WM		
BURIED FROM	WM-101	ACCESS	Div. box A3-B		
TO	3" PUA-1005		J box NO-3		
	3" PWM-2011Y				
WASTE SOURCE (AT	WM-101	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Waste transfer from WM-101			transfer	1st cycle A1	
to J box #3 tank not in use			only	raffinate	
for waste in 1972.					

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS Spec Y	DESIGN CO.	Foster Wheeler
SCHEDULE	40	CONST. CO.	Bechtel
LENGTH	35'	DATE	1951
BURIED DEPTH	(-) 6'-3"	DRAWINGS	1230-B21-104-305
ENCASEMENT	6" Tile pipe		not shown
			Ref. 542-41-P-372
REMARKS			

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWM-10018	AREA	CPP		
CLASSIFICATION	High level radioactive	LOCATION	WM		
BURIED FROM	3" PWM-10016Y	ACCESS	Div. box A3C		
TO	3" PWM-10019Y				
WASTE SOURCE (AT		VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Waste transfer from WM-100			transfer	1st cycle A1	
to WM-180. WM-180 will			only	raffinate	
be held as a spare after 1971.					

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS Spec Y	DESIGN CO.	Foster Wheeler
SCHEDULE	40	CONST. CO.	Bechtel
LENGTH	~10'	DATE	1951
BURIED DEPTH	(-) 28'-8"	DRAWINGS	1230-B21-104-305
ENCASEMENT	Tile pipe		not shown
REMARKS			

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	3" PWM-10019	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	3" PWM 10018	ACCESS	Div. box A-3C
TO	WM-180		

<u>WASTE SOURCE (AT WM-100 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer. Tank WM-180 will be held as a spare tank after 1971.		transfer only	1st cycle Al raffinate	

## DESCRIPTION

MATERIAL 347 SS Spec Y  
SCHEDULE 40  
LENGTH 83'  
BURIED DEPTH (-) 27'  
ENCASEMENT Tile pipe

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS 1230-B21-104-305  
not shown

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	4" PWA-28004	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	3" PUA-1034	ACCESS	
TO	WM-180		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer. Tank WM-180 will be held as a spare after 1971.		0	emergency only	

## DESCRIPTION

MATERIAL 347 SS Spec Y  
SCHEDULE 40  
LENGTH 10'  
BURIED DEPTH (-) 5'-8" to (-) 28'-5"  
ENCASEMENT 8" tile pipe

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS 1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	4" PWA 28104	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	WM-181	ACCESS	
TO	3" PUA-1014		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer. Not in use after 1972. WM 181 will be for emergency service waste storage.		0	emergency only	

## DESCRIPTION

MATERIAL 347 ss Spec. Y  
SCHEDULE 40  
LENGTH 15'  
BURIED DEPTH (-) 6'-5" to (-) 28'-5"  
ENCASEMENT 8" tile pipe

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS 5773-CPP-301-36

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	4" PWA 28104	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	WM 181	ACCESS	
TO	3" PUA-1014		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Waste transfer. Not in use after 1972. WM 181 will be for emergency service waste storage		0	Emergency only	

## DESCRIPTION

MATERIAL 347 SS Spec Y  
SCHEDULE 40  
LENGTH ~15'  
BURIED DEPTH (-) 6'-5" to (-) 28' - 5"  
ENCASEMENT 8" tile pipe

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS 5773-CPP-301-36

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	1 $\frac{1}{2}$ " Truck drain	AREA	CPP
CLASSIFICATION	Low level radioactive	LOCATION	YDA
BURIED FROM	Yard area	ACCESS	
TO	3" PLA-1019C		

<u>WASTE SOURCE (AT Tank Truck )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
TRA, TAN, ARA - hot waste storage tanks	12,000 gpy	about 1000 gal. per day during shipment period	Miscellaneous fission pro- ducts and hot waste water solutions	

DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 17'  
BURIED DEPTH (-) 13'-4"  
ENCASEMENT

CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1950  
DRAWINGS 1230-B21-104-305

REMARKS TRA ships waste above 20,000 cpm/ml classed as high level waste.

V. DATA SHEETS

Section B

Sump Return Lines

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PUA-1212 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Pit #1 sump ACCESS Condenser pit #1  
TO 1-1/2" PUA-1205

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>0</sup></u>
Sump return from sump in Waste Storage Condenser Pit back to WM-188.		0	emergency only	

DESCRIPTION	CONSTRUCTION
MATERIAL 304 SS	DESIGN CO. Fluor
SCHEDULE 0.049 Thk.	CONST. CO. Fluor
LENGTH ~10'	DATE 1961
BURIED DEPTH (-) 11'	DRAWINGS CPP-E-3193
ENCASEMENT Entirely inside condenser pit #1.	
REMARKS	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" PUA 1317 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-189 cold sump ACCESS  
TO WM-189

<u>WASTE SOURCE (AT WM-189 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>0</sup></u>
Cold sump return		0	emergency only	

DESCRIPTION	CONSTRUCTION
MATERIAL 317 SS	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH ~4 ft buried	DATE 1961
BURIED DEPTH SS pipe	DRAWINGS CPP-E-3193
ENCASEMENT	
REMARKS	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" SW 1338 AREA CPP  
CLASSIFICATION service waste LOCATION WM  
BURIED FROM WM-189 cold sump ACCESS  
TO 2" SW 1339

WASTE SOURCE (AT _____)	VOL.(GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Cold sump return		0	emergency only	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH 7'	DATE 1961
BURIED DEPTH (-) 5'-8"	DRAWINGS 1230-B21-104-306-1
ENCASEMENT SS pipe	
REMARKS WM-189 is empty - has not been used.	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" SW 1339 AREA CPP  
CLASSIFICATION service waste LOCATION WM  
BURIED FROM WM-189-WM-190 cold sump ACCESS  
TO 6" SWN 100180

WASTE SOURCE (AT _____)	VOL.(GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Cold sump return	2400 gal/yr.	1/quarter		

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH 370'	DATE 1961
BURIED DEPTH (-) 5'-8"	DRAWINGS 1230-B21-104-286
ENCASEMENT SS pipe	1230-B21-104-306-1
	1230-B21-104-287-3
REMARKS	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	1-1/2" PWM 3019	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	WM-101 and 102 sump	ACCESS	
TO	WM-180		

<u>WASTE SOURCE (AT</u>	<u>WM-101 and 102)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>0</sup></u>
Sump return.	Tank WM-180 will		0	emergency only	
	be held as a spare after 1971.				

## DESCRIPTION

MATERIAL 347 SS Spec Y  
SCHEDULE 40  
LENGTH 86'  
BURIED DEPTH (-) 28"-0'  
ENCASEMENT Tile pipe

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS CPP-E-3193

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	2" PWM-20021	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	WM-302 sump	ACCESS	
TO	WM-100 sump		

<u>WASTE SOURCE (AT</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>0</sup></u>
Sump return			0	emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 11'  
BURIED DEPTH 41'-1"  
ENCASEMENT None indicated on dwgs.

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS 1230-B21-104-305  
not labeled

## REMARKS



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	1-1/2" PWM-20028	AREA	CPF
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	CPP-604	ACCESS	
TO	WM-180		

<u>WASTE SOURCE (AT WM-100 sump )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
WM-100 sump return to WM-180 through 1 1/2 PWN-20016		0	emergency only	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS Spec Y	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel
LENGTH 78'	DATE 1951
BURIED DEPTH (-) 27'	DRAWINGS 1230-B21-104-305
ENCASEMENT None indicated on dwgs.	not shown

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	2" PWM-28036	AREA	CPF
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	WM-300 sump	ACCESS	
TO	WM-180 sump		

<u>WASTE SOURCE (AT WM-300 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Sump return		0	emergency only	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS Spec Y	DESIGN CO. Foster Wheeler
SCHEDULE 40	CONST. CO. Bechtel
LENGTH ~20'	DATE 1951
BURIED DEPTH (-) 11' (-) 32'-3"	DRAWINGS 1230-B21-104-305
ENCASEMENT None indicated on dwgs.	not shown

REMARKS

V. DATA SHEETS

Section C

Emergency Drains

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" PUA-652 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-382 in CPP-721 ACCESS CPP-721  
TO WM-182

<u>WASTE SOURCE (AT</u>	<u>WM-182</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Drain-no condensate forms				0	0	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	~ 20'	DATE	1953-1954
BURIED DEPTH	~ (-) 6'	DRAWINGS	1230-B21-104-286-4
ENCASEMENT	Concrete pipeway		not labeled
REMARKS	Tank empty		

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 2" PUA-655 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 4" PUA-629 (in CPP-722) ACCESS CPP-722  
TO WM-183

<u>WASTE SOURCE (AT</u>	<u>WM-383</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Condensate drain. Tanks are cooled, therefore no condensate forms.				0	0	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	~ (20')	DATE	1954
BURIED DEPTH	Unknown - guess -6'	DRAWINGS	1230-B21-104-286-4
ENCASEMENT	Concrete pipeway		Line not labeled on dwg.
REMARKS			

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PUA-657 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Div Box A-7 (drain) ACCESS Div. Box A-7  
TO WM-184 (sump)

<u>WASTE SOURCE (AT Div. Box A-7 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Drain from division box		0	emergency only	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	32'	DATE	1953-1954
BURIED DEPTH	(-) 10'-6"	DRAWINGS	1230-B21-104-305
ENCASEMENT	Concrete pipeway		

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1-1/2" PUA-1022 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM WM-383 ACCESS CPP-722  
TO WM-185

<u>WASTE SOURCE (AT WM-383 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Condenser drain. Tanks cooled therefore no condensate		0	Emergency only	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	~ 220'	DATE	1953-1954
BURIED DEPTH	(-) 8	DRAWINGS	Not labeled on Dwg. 1230-B21-104-305
ENCASEMENT	Concrete pipeway		

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PUA-1023 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Diversion box B-4 ACCESS Diversion box B-4  
TO Div. box B-3(to 1" PUA-1025) to WM-185 sump

WASTE SOURCE (AT B-4 ) VOL (GAL/MO) FREQ. CONTENT (PER MO) PRES & T<sup>O</sup>

Diversion box drain 0 emergency only

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 144'  
BURIED DEPTH (-) 14'-2"  
ENCASEMENT Concrete (4 and 5)  
pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305  
1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PUA-1025 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 1" PUA-1023 (in div. box B-3) ACCESS Div. box B-3  
TO WM-185 sump

WASTE SOURCE (AT Div. box B-3 ) VOL (GAL/MO) FREQ. CONTENT (PER MO) PRES & T<sup>O</sup>

Box drain 0 emergency only

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 15'  
BURIED DEPTH 12'  
ENCASEMENT Concrete (#5)  
pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-305  
Not labeled

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	1" PWA-1031	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	Div. box B-1	ACCESS	Div. box B-2
TO	WM-186 sump		

<u>WASTE SOURCE (AT Div. box B-1 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Box drain		0	emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 190'  
BURIED DEPTH (-) 15'-1"  
ENCASEMENT Concrete (#2)  
pipeway  
REMARKS Div. box B-1 drain

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-306-1

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	1-1/2" PUA-1201	AREA	CPP
CLASSIFICATION	High level radioactive	LOCATION	WM
BURIED FROM	Condenser Pit #1	ACCESS	
TO	1-1/2 PUA-1211		

<u>WASTE SOURCE (AT Cond. Pit #1 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Drain from condenser on waste tank. Tanks cooled therefore no condensate		0	emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 10'  
BURIED DEPTH (-) 11'-0"  
ENCASEMENT Concrete pipeway

## CONSTRUCTION

DESIGN CO. Blaw Knox  
CONST. CO. Pritchard  
DATE 1953  
DRAWINGS 1230-B21-104-287-3  
1230-B21-104-306-1

REMARKS Does not appear on CPP-E-3193 (appears to be an error)

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1-1/2" PUA-1205 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Pit #1 (WM-387) ACCESS Junction box-6  
TO WM-188

WASTE SOURCE (AT _____)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Condensate drain. Tanks cooled, therefore no condensate forms.		0	emergency only	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Fluor
SCHEDULE 40	CONST. CO. Fluor
LENGTH 223'	DATE 1961
BURIED DEPTH (-) 11'-2"	DRAWINGS 1230-B21-104-306-1
ENCASEMENT Concrete (#10) pipeway	
REMARKS Occasionally, ground water can fill the sump.	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PUA-1210 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Dead end B-9 ACCESS B-9  
TO WM-187 sump

WASTE SOURCE (AT _____)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Drain for Box #5 and #9		0	emergency only	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Fluor
SCHEDULE 0.049 Thk. wall	CONST. CO. Fluor
LENGTH ~60'	DATE 1961
BURIED DEPTH (-) 6'-5"	DRAWINGS 1230-B21-104-306-1
ENCASEMENT Concrete pipeway	
REMARKS	

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1-1/2" PUA-1211 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 1-1/2 PUA-1307 ACCESS Junction box-6  
TO WM-187

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Condensate drain. Tank is cooled, therefore no condensate forms		0	emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 38'  
BURIED DEPTH (-) 11'-0"  
ENCASEMENT Concrete (#11) pipeway

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1961  
DRAWINGS 1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PUA 1213 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM (+OGF)  
BURIED FROM Div. box B6 ACCESS Div. Box B6  
TO CPP-633

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Div. box drain	0	0	emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 255'  
BURIED DEPTH (-) 15'-8"  
ENCASEMENT Concrete

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-104-306-1

## REMARKS



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-1234 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Div. box B-7 ACCESS Div. box B-7, B-8  
TO Div. box B-8

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Drain between boxes		0	emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 290'  
BURIED DEPTH (-) 12'-8"  
ENCASEMENT Concrete

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1961  
DRAWINGS 1230-B21-104-286-4  
1230-B21-104-287-3

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PUA-1235 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Div. box B-7 ACCESS Div. box B-7  
TO Div. box B-5

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Drain between boxes		0	emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 105'  
BURIED DEPTH (-) 15'-5"  
ENCASEMENT Concrete

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1961  
DRAWINGS 1230-B21-104-287-3  
1230-B21-104-306-1

REMARKS This line is a continuation of 1" PWA 1234 - a drain between boxes

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1-1/2" PUA 1305 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Condenser pit 1 (1-1/2" PUA 1205) ACCESS  
TO WM-189

WASTE SOURCE (AT	WM-387 )	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Condensate drain. Tanks cooled, therefore no condensate forms			0	emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 172'  
BURIED DEPTH (-) 11'-4"  
ENCASEMENT Concrete pipeway

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1961  
DRAWINGS 1230-B21-104-287-3  
1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1-1/2" PUA 1311 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM 1-1/2" PUA 1305 ACCESS  
TO WM-189

WASTE SOURCE (AT	Central Pit #3)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Condenser drain. Tank is cooled and, therefore, no condensate			0	emergency only	

## DESCRIPTION

MATERIAL 347 SS  
SCHEDULE 40  
LENGTH 177'  
BURIED DEPTH (-) 11'-4"  
ENCASEMENT Concrete pipeway

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1961  
DRAWINGS 1230-B21-104-287-3  
1230-B21-104-306-1

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PWA-1312 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM Control pit #2 ACCESS  
TO Condenser pit #1

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Control pit drain		0	emergency only	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	0.049 Thk.	CONST. CO.	Fluor
LENGTH	10'	DATE	1961
BURIED DEPTH	(-) 11'	DRAWINGS	1230-B21-104-287-3
ENCASEMENT	Concrete		

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 1" PLA 3008 AREA CPP  
CLASSIFICATION Low level radioactive LOCATION OGF  
BURIED FROM 10" PWA-3001 ACCESS MAH-OGF-PL-041  
TO 3" PWA-3003

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Drain line for 24" CGN	0	0	emergency only	30 psig 370°F

DESCRIPTION		CONSTRUCTION	
MATERIAL	304 SS	DESIGN CO.	Fluor
SCHEDULE	0.049 Thk. wall	CONST. CO.	Fluor
LENGTH	8'	DATE	1959
BURIED DEPTH	(-) 11'	DRAWINGS	1230-B21-104-324
ENCASEMENT			5775-CPP-201-1

REMARKS It appears that this short connector line is entirely within  
MAH-OGF-PL-041. Not shown on CPP waste line identification drawings.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3/4" PLA-3081 AREA CPP  
CLASSIFICATION low level radioactive LOCATION WCE, WCS  
BURIED FROM CPP-639 ACCESS MAH-WCE-SW-044  
TO 1 1/2" PLA 3002

<u>WASTE SOURCE (AT</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
CPP-639 ) Condensate drain for vent gas from calciner storage bins	0 to date	0	emergency only	

## DESCRIPTION

MATERIAL SS  
SCHEDULE 40  
LENGTH 237'  
BURIED DEPTH (-) 10'-5"  
ENCASEMENT 3" PLA-3006

## CONSTRUCTION

DESIGN CO. Fluor  
CONST. CO. Fluor  
DATE 1959  
DRAWINGS 1230-B21-104-325-1

REMARKS Carries condensate from vent gas (if any) back to 604 if calciner is not operating. Not shown on CPP waste line identification drawings.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" PWM 3801 AREA CPP  
CLASSIFICATION High level radioactive LOCATION WM  
BURIED FROM CPP-737 ACCESS  
TO WM-180

<u>WASTE SOURCE (AT</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
WM-300 ) Condensate drain		0	emergency only	

## DESCRIPTION

MATERIAL 347 SS Spec C  
SCHEDULE 40  
LENGTH 12'  
BURIED DEPTH 27'-8"  
ENCASEMENT Split tile

## CONSTRUCTION

DESIGN CO. Foster Wheeler  
CONST. CO. Bechtel  
DATE 1951  
DRAWINGS CPP-E-3193

REMARKS Drain from condenser to WM-180

## V. DATA SHEETS

### Section D

#### Vent Lines

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" VGA-35 AREA CPP  
CLASSIFICATION Off gas LOCATION WM  
BURIED FROM WM-103 ACCESS  
TO 8" VGA-1003C

<u>WASTE SOURCE (AT STR-SIR Storage)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Vent for tanks WM-103-104-105-106		Cont.		

DESCRIPTION	CONSTRUCTION
MATERIAL 304 SS	DESIGN CO. Blaw Knox
SCHEDULE 40	CONST. CO. Pritchard
LENGTH 384'	DATE 1953
BURIED DEPTH (-) 13'-2"	DRAWINGS 1230-B21-104-286
ENCASEMENT	1230-B21-104-305

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 10" VGA-601 AREA CPP  
CLASSIFICATION Off-gas LOCATION WM  
BURIED FROM WM-183 ACCESS CPP-722  
TO WM-383 (in CPP-722 condenser pit)

<u>WASTE SOURCE (AT WM-183)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Instrument air purge from WM-183	10 cu.ft. per hr.	Cont.	Air	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Blaw Knox
SCHEDULE 10	CONST. CO. Pritchard
LENGTH ~10'	DATE 1953
BURIED DEPTH Unknown	DRAWINGS 1230-B21-104-286-4
ENCASEMENT	not labeled

REMARKS Possibly some steam if temperature increases.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	4" VGA-602	AREA	CPF
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	CPP-721	ACCESS	
TO	4" VGN-604		

WASTE SOURCE (AT	721	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Steam condensate vapors			10 cu. ft. per hour	Cont.	Steam	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	310'	DATE	1953
BURIED DEPTH	(-) 8'-8"	DRAWINGS	1230-B21-104-286-4
ENCASEMENT			1230-B21-104-305
REMARKS	7' of VGA from CPP-722 runs into this line. 3' of VGA from Diversion box #8 runs into this line. Changes to VGN on Drawing 1230-B21-104-305.		

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	10" VGA-602	AREA	CPF
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	WM-183	ACCESS	CPP-722
TO	10" VDN-603 which goes to VDN-12" CO <sub>2</sub> stack vent in CPP-722		

WASTE SOURCE (AT	WM-183	)	VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T <sup>O</sup>
Pressure relief line			0	0		

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	10	CONST. CO.	Pritchard
LENGTH	~ 10'	DATE	1953
BURIED DEPTH	Unknown	DRAWINGS	1230-B21-104-286-4
ENCASEMENT			not labeled
REMARKS			

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	10" VGA-603	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	WM-182	ACCESS	CPP-721
TO	CPP-721 (10" VDN 601 to stack vent)		

WASTE SOURCE (AT		VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Instrument air purge from		10 cu. ft.	Cont.	Air	
WM-182		per hr.			

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	10	CONST. CO.	Pritchard
LENGTH	~15'	DATE	1953
BURIED DEPTH	Unknown ~(-6')	DRAWINGS	1230-B21-104-286-4
ENCASEMENT			Not labeled

REMARKS Possibly some steam if temperature increases.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	10" VGN-604	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	10" VGA-605	ACCESS	CPP-723 pit
TO	Stack vent		

WASTE SOURCE (AT		VOL (GAL/MO)	FREQ.	CONTENT (PER MO)	PRES & T°
Pressure relief line		0	0		

DESCRIPTION		CONSTRUCTION	
MATERIAL		DESIGN CO.	Blaw Knox
SCHEDULE	Sch. 10	CONST. CO.	Pritchard
LENGTH	32'	DATE	1953
BURIED DEPTH	(-) 8'-8"	DRAWINGS	1230-B21-104-303
ENCASEMENT			

REMARKS



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	10" VGA-604	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	WM-182	ACCESS	CPP-721
TO	WM-383 (in CPP-721)		

<u>WASTE SOURCE (AT</u>	<u>WM-182</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Instrument air purge from			10 cu. ft.	Cont.	Air	
WM-182			per hour			

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	10	CONST. CO.	Pritchard
LENGTH	~15'	DATE	1953
BURIED DEPTH	Unknown, ~-16'	DRAWINGS	1230-B21-104-286-4
ENCASEMENT			Not labeled
REMARKS	Same label as another line in CPP-723 pit.		

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	4" VGA 1001	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	10" VGA 1001 control pit#1, Condenser	ACCESS	Div. box B-8
TO	4" VGA 602 pit#1		

<u>WASTE SOURCE (AT</u>	<u>WM-186</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Instrument air purge from			10 cu. ft.	Cont.	Air	
WM-186			per hour			

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	40	CONST. CO.	Pritchard
LENGTH	17'	DATE	1953
BURIED DEPTH	(-) 7'-2"	DRAWINGS	1230-B21-104-286-4
ENCASEMENT	Concrete pipeway		1230-B21-104-287-3
REMARKS	Also labeled 4" VGN 1001 on drawings.		

## IDAHO NUCLEAR CORPORATION

CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	10" VGA 1001	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	WM-186	ACCESS	Control pit #1
TO	4" VGA 1001 (pit #1)		

<u>WASTE SOURCE (AT</u>	<u>WM-186</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Instrument air purge from			10 cu. ft.	Cont.	Air	
WM-186			per hour			

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	10	CONST. CO.	Pritchard
LENGTH	40'	DATE	1953
BURIED DEPTH	(-) 14'-11"	DRAWINGS	1230-B21-104-287-3
ENCASEMENT	Concrete pipeway		1230-B21-104-306-1

REMARKS Off gas line to vapor pressure relief.

## IDAHO NUCLEAR CORPORATION

CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	2" VGA-1002	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	CPP 628	ACCESS	
TO	4" VGA 1001		

<u>WASTE SOURCE (AT</u>	<u>CPP-628</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Vents for jets from				Once		
tanks WM-182, 3, 4, 5, and 6				per		
				day at		
				tank		
				jetting		

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Blaw Knox
SCHEDULE	10	CONST. CO.	Pritchard
LENGTH	112'	DATE	1953
BURIED DEPTH	(-) 6'-9"	DRAWINGS	1230-B21-104-286-4
ENCASEMENT			

REMARKS Does not appear on CPP-E-3193

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	10" VGA 1002	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	WM-185	ACCESS	
TO	CPP-722		

<u>WASTE SOURCE (AT</u>	<u>WM-185</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
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Instrument air purge from WM-185. Pressure relief line from WM-185 to condenser.	10 cu. ft. per hour	Cont.	Air			
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## DESCRIPTION

MATERIAL	347 SS
SCHEDULE	10
LENGTH	~ 125'
BURIED DEPTH	(-) 20'-6"
ENCASEMENT	

## CONSTRUCTION

DESIGN CO.	Blaw Knox
CONST. CO.	Pritchard
DATE	1953
DRAWINGS	1230-B21-104-286-4

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	2" VGN 1003	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	WM-712	ACCESS	
TO	4" VGN 602		

<u>WASTE SOURCE (AT</u>	<u>WM-712</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
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Jet vents from WM-180, 181		Used when jetting tanks				
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## DESCRIPTION

MATERIAL	347 SS
SCHEDULE	40
LENGTH	121'
BURIED DEPTH	(-) 4'-2"
ENCASEMENT	

## CONSTRUCTION

DESIGN CO.	Foster Wheeler
CONST. CO.	Bechtel
DATE	1951
DRAWINGS	1230-B21-104-305

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	10" VGA 1201	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	Control pit - 2	ACCESS	Man way 4
TO	WM-188		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Instrument air purge from WM-188	10 cu. ft per hour	Cont.	Air	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	10	CONST. CO.	Fluor
LENGTH	134'	DATE	1961
BURIED DEPTH	(-) 11'-2"	DRAWINGS	1230-B21-104-287-3
ENCASEMENT			1230-B21-104-306-1
REMARKS	Appears to be a continuation of 10" VGA 1301		

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	2" VGN 1202	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	CPP-635	ACCESS	
TO	3" VGN 1201		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>o</sup></u>
Jet vents from CPP-635 and WM-187 and WM-188.		Used Only when Jetting tanks		

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	40	CONST. CO.	Fluor
LENGTH	96'	DATE	1961
BURIED DEPTH	(-) 5'-7"	DRAWINGS	1230-B21-104-287-3
ENCASEMENT			1230-B21-104-306-1
REMARKS			

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	10" VGA 1202	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	Control pit #2	ACCESS	Man way 3
TO	WM-187		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Instrument air purge from WM-187	10 cu. ft. per hour	Cont.	Air	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	10	CONST. CO.	Fluor
LENGTH	65'	DATE	1961
BURIED DEPTH	(-) 11'-2"	DRAWINGS	1230-B21-104-287-3
ENCASEMENT	Concrete pipeway		1230-B21-306-1
REMARKS	Appears to be a continuation of 10" VGA 1302		

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	2" VGA 1301	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	CPP-636	ACCESS	
TO	2" VGN 1202		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Jet vents from CPP 636 and tanks WM-189 and 190		Used only when jetting tanks		

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	40	CONST. CO.	Fluor
LENGTH	100'	DATE	1961
BURIED DEPTH	(-) 7'-8"	DRAWINGS	1230-B21-104-287-3
ENCASEMENT			1230-B21-104-306-1
REMARKS	Labeled 2" VGN on Dwg. 1230-B21-104-306-1 does not appear on CPP-E-3193		

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	10" VGA 1301	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	Condenser pit #1	ACCESS	Man way 5
TO	WM-189		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Instrument air purge from WM-189	10 cu. ft per hour	Cont.	Air	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	10	CONST. CO.	Fluor
LENGTH	188'	DATE	1961
BURIED DEPTH	(-) 11'-4"	DRAWINGS	1230-B21-104-287-3
ENCASEMENT	Concrete pipeway		

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	10" VGA 1302	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	WM-190	ACCESS	
TO	Control pit #3		

<u>WASTE SOURCE (AT WM-190 )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Instrument air purge from WM-190	10 cu. ft. per hour	Cont.	Air	

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS	DESIGN CO.	Fluor
SCHEDULE	10	CONST. CO.	Fluor
LENGTH	224	DATE	1961
BURIED DEPTH	(-) 11'-4"	DRAWINGS	1230-B21-104-287-3
ENCASEMENT	Concrete pipeway		1230-B21-104-306-1

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 12" PWH 1801 AREA CPP  
CLASSIFICATION Off-gas LOCATION WM  
BURIED FROM WM-180 ACCESS  
TO 12" PWM 1812 H

<u>WASTE SOURCE (AT</u>	<u>WM-180</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Pressure relief line			0	0		

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS Spec H	DESIGN CO.	Foster Wheeler
SCHEDULE	10	CONST. CO.	Bechtel
LENGTH	81'	DATE	1951
BURIED DEPTH	(-) 11'-8"	DRAWINGS	542-41-P750-12
ENCASEMENT	Part in tile pipe		

## REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 12" PWM-1802 AREA CPP  
CLASSIFICATION Off-gas LOCATION WM  
BURIED FROM WM-180 ACCESS  
TO WM-300 condenser pit

<u>WASTE SOURCE (AT</u>	<u>WM-180</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
WM-180 off gas and Instrument air purge from WM-180-180			20 cu. ft per hour	Cont.		

DESCRIPTION		CONSTRUCTION	
MATERIAL	347 SS Spec Y	DESIGN CO.	Foster Wheeler
SCHEDULE	10	CONST. CO.	Bechtel
LENGTH	Unknown ~25'	DATE	1951
BURIED DEPTH	17"-6'	DRAWINGS	1230-B21-104-305 not shown
ENCASEMENT			

REMARKS Possibly some steam vapor if temperature increases.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	12" PWM 1811	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	WM-181	ACCESS	
TO	12" PWM 1812 H		

<u>WASTE SOURCE (AT</u>	<u>WM-181</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
Pressure relief line		0	0		

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS	DESIGN CO. Foster Wheeler
SCHEDULE 10	CONST. CO. Bechtel
LENGTH 99'	DATE 1951
BURIED DEPTH (-) 11'-8"	DRAWINGS 542-41-P750-12
ENCASEMENT Part in tile pipe	

REMARKS

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION	12" PWM 1812	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	12" PWM 1811 H, 12" PWM 1801 H	ACCESS	
TO	CPP 708 stack		

<u>WASTE SOURCE (AT</u>	<u>WM-180-181</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T°</u>
All instrument air purges from WM-180 through 190.		110 cu. ft. per hour	Cont.	Air possibly steam vapor	

DESCRIPTION	CONSTRUCTION
MATERIAL 347 SS Spec H	DESIGN CO. Foster Wheeler
SCHEDULE 10	CONST. CO. Bechtel
LENGTH ~195'	DATE 1951
BURIED DEPTH + 5'	DRAWINGS 1230-B21-104-305-not shown
ENCASEMENT	542-41-P750-12

REMARKS This is a vacuum pressure relief line.



IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 4" PWM 2803 AREA CPP  
CLASSIFICATION Off-gas LOCATION WM  
BURIED FROM WM-300 condenser pit  
TO 4" PWM 18032C ACCESS

<u>WASTE SOURCE (AT</u>	<u>WM-300 Condenser</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Instrument air purge from WM-180 and 181	20 cu. ft. per hour	Cont.	Air		

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	Spec C	DESIGN CO.	Foster Wheeler
SCHEDULE		CONST. CO.	Bechtel
LENGTH	36'	DATE	1951
BURIED DEPTH	(-) 11'-11"	DRAWINGS	1230-B21-104-305
ENCASEMENT	Tile pipe		

REMARKS Off gas from condenser.

IDAHO NUCLEAR CORPORATION  
CATALOGUE OF BURIED WASTE LINES

IDENTIFICATION 3" PWM 3004 AREA CPP  
CLASSIFICATION Off-gas LOCATION WM  
BURIED FROM WM-302  
TO 4" PWM 18032C ACCESS

<u>WASTE SOURCE (AT</u>	<u>)</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; TO</u>
Instrument air purge from WM-101, 102, 103 and vent for WM-302 condenser.		30 cu. ft. per hour	Cont.	Air	

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	347 SS Spec C	DESIGN CO.	Foster Wheeler
SCHEDULE	40	CONST. CO.	Bechtel
LENGTH	10'	DATE	1951
BURIED DEPTH	(-) 11'	DRAWINGS	1230-B21-104-305
ENCASEMENT			542-41-750-12

REMARKS

IDAHO NUCLEAR CORPORATION  
**CATALOGUE OF BURIED WASTE LINES**

IDENTIFICATION	4" PWN 18032	AREA	CPP
CLASSIFICATION	Off-gas	LOCATION	WM
BURIED FROM	WM-310 condenser pit	ACCESS	
TO	12" PWN 1812 H		

<u>WASTE SOURCE (AT )</u>	<u>VOL (GAL/MO)</u>	<u>FREQ.</u>	<u>CONTENT (PER MO)</u>	<u>PRES &amp; T<sup>O</sup></u>
Instrument air purge from WM-180 and 181 and vent for WM-300 and WM-310 condenser	20 cu. ft. per hour	Cont.	Air	

<u>DESCRIPTION</u>		<u>CONSTRUCTION</u>	
MATERIAL	347 SS Spec C	DESIGN CO.	Foster Wheeler
SCHEDULE	40	CONST. CO.	Bechtel
LENGTH	110'	DATE	1951
BURIED DEPTH	(-) 11'-11"	DRAWINGS	1230-B21-104-305
ENCASEMENT	Part in tile pipe		

REMARKS Also vents from 300 and 310 condenser

## VI. REFERENCES

1. G. W. Hogg et. al., A Survey of NRTS Waste Management Practices, Volume I and Volume II, ACI-104 (September 1971).

Distribution Record for ACI-110

C. W. Bills (2)  
J. A. Buckham  
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